

ggcatctgag tgaaaagtta tgcctatga gttagccgag agctctcggtt gtttaatttca 180
agcgtctcgc atattattgg ccagaatagc acatctgagc 220

<210> 5801
<211> 384
<212> DNA
<213> Glycine max

<400> 5801

gacccctaata cacctgcggc tgcagctgga gaaaataaaa ataaatccga ttaagcagaa 60
tgctagaaat accttggcag ctctggttgt agctctagac caacgggaaa tggcagtttc 120
atgtttctca atgttgaaga aagatataga gctgtgcttg agttcagcaa aatctaagag 180
cttccaccta tgtattaaaa caaaaagata aaattaaaac tcatggagag tctagtaaag 240
aaggacagag gttctcattg cagtaaataa agtaccagct ttgttcaata agaattgcac 300
aatctgctag ctttcttctt gtacgaaaga ctttgtatac tttctgcagt ttaagtgcag 360
ccctatattt ggggttatct ggat 384

<210> 5802
<211> 396
<212> DNA
<213> Glycine max

<400> 5802

actagatgcc ttgggtattc tgggtatccca actggccatg aatcaaaaaat atgcacctgt 60
cgccagactc tgtggtttat gctcctctgc cgaccaccac atagaccttt gcccttttgt 120
gcaacaatct gaagcaattg aacagcctga agcttatgtt gcaaacaact acaatagacc 180
tcctcaacct cagcaacaaa atcagccaca aaaaacaat tatgaccttt ccagcaatag 240
gtacaatccc ggggtggagga atcatcccaa ccttagatgg tcaaatcctt cacaacagca 300
acaacaacaa caacaacctt attttcagaa tgctgctggc ccaagcagac catacgttcc 360
tccaccaatc cagcagtaac aataacaaca acaata 396

<210> 5803
<211> 480
<212> DNA
<213> Glycine max

<400> 5803

acactactag cacactcaag cttcttagtt tcagatgatg cagatgggtt tgtagctacc 60
tcatgcactc ctctaataac tatggcatca tttctggcgc taaactgctg ggagttggag 120
gccatcttct caattaaatt tctgggttca gcaggagtca tgtctccaag ggctccacca 180
ctggcagcat ctatcatact tctctccata ttactgagtc cttcataaaa atgttggaga 240
agaagctgtt ctgaaatctg atgggtgaggg caactggcac atagtttctt aaatcgctcc 300
cagtactcat acaggctctc tccactgagt tgtctaatac ctgagatata tttcctgatg 360
gctgtggtcc tggaagcatg gaaaaaattt tctaagaata ctctcttaag gtcacccag 420
ctcgtgatgg accttggagc acggtaatac aaccagtcct ttgccactcc ctctaataa 480

<210> 5804

<211> 403

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 5804

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tgcataggca aaaaatcaag aggagttagt ggggttaaac cataaacaac ttcataagga 120
gaacaattag tgggtgctatg aacaactcta ttgtaagcaa attcaacacg gngtaaacia 180
gcttcccaag tttttaagat cttgctcaaa actgtcctaa ccaaagttcc caaagtccta 240
ttaacaactt ccatttgccc atcggtttgt gggtgacaag tgggtgaaaa taacaattta 300
gtgccaact tgctccacia agtctccaa aattgactta ggaacgtaga gtccctatca 360
ctaacaatgc tccttggcag accatggagt ctcaaatct cct 403

<210> 5805

<211> 269

<212> DNA

<213> Glycine max

<400> 5805

ctgagtcgga catccgtgtg aaaagttatg accctttgaa tttctcaaga gcttctgttg 60
tcatttccag cctctcaaca tagtatgcgc tcgaaactga cattcgtgtg gaaaggtctg 120
aacatttgaa tttctcgaga gggtccgatg ttctaattcg agcggatcgg tatattataa 180

gcccggatcc gacattcgtg tggaaaggta tgaccatttg aatttctaaa gaggcttcgc 240
gggttaattt tgatcctctt acaatatat 269

<210> 5806
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5806

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tcacacggat gtccgattcg ggcgcataat atgtcaagag tctcgaaatt gaacaacgga 120
agctcttgag aaattcaaatt ggggtataaaa ttccacacgg atgtccgatt caggcaaattc 180
acatatcgag acgatcagaa ttgaacaacg gaagctcttg agatattcaa atggtcataa 240
catttatctc gaatgtccaa tttaggcgca tcacatatag tgatattcga aattgaacaa 300
cagaagctct cgtgaaattc aaatgggtcat aactnttcac actgaggtna gattcacggc 360
tataatatat cgatacgctc gaaattaaca tcggaa 396

<210> 5807
<211> 428
<212> DNA
<213> Glycine max

<400> 5807

tttgagcaat gcaaatgggtc atagctatctt actccgatgt tcgaatcagg cgcataatat 60
atcgagacgt tcgaaattga acaatggaag ctcttgagca attcaaattg tcataacttt 120
tcaactaggat gttcgattca tgcacataat atatcgagac gtcgaaatt gaacaacgga 180
agctctcgag aaattcaaatt ggtcataact tttccacacg gagggcagat tcatgcgcac 240
aatatatcga gacgctcgaa attgaacaat ggaagctctt cagcaattca aacggtcata 300
acttttcaact cggatgttcg attcatgcgc ataatatata gagaccctcg atattgaaca 360
actgaagctt ttgagaaatt caaatgggtc taacttttca ttcggatgtc cgattcaagc 420
gcataata 428

<210> 5808

<211> 323
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5808

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 gcatgaccgt ttgaatctct cgagagcttg cgttgttcaa ttatgagcgt cttgatatat 120
 tatacgctg aatcgagct tcgagtgaac cattatgacc atttaaagt ctcgagagct 180
 tccgttggtc aatttgaagc gtctctatat gtgatgcgcc taaatctgac gcccagaga 240
 taagatatga ccatttgaat gtctcgagag cttacgttgt tcaatgtgga gcgtatcaga 300
 ttcttatgcg cacgaatcag acc 323

<210> 5809
 <211> 324
 <212> DNA
 <213> Glycine max
 <400> 5809

agcttctcag gtccgggtcat ggaaagactt ggcaactgcc ttcattaggc agtaccaata 60
 caacacggat atgggtcccg atcggaacca gctttagagc atgaccaagc gagaacatga 120
 gtccattaaa gaatatgccc aaaggtggag agacctcgca gccaagtcg ttccgcccatt 180
 gactgagagt gagatgatca caattatggt agatacgttg cctacgttct actatgaaaa 240
 gctgataggg tacatcccag ctaactttgc ggacctcgtc ttcgcccag aaaggatcga 300
 gtccggacta agaaaaggca agtt 324

<210> 5810
 <211> 314
 <212> DNA
 <213> Glycine max
 <400> 5810

agcttgtcag atggagatga tcttgccatg actttgatcc tatcaatctt atccattctt 60
 tctcatgtg agaaatttct gaattgaaag cttcaacca ctgctgcttg atcatcatcc 120
 aattcatcat caagaatccc acattcagag gctatggccc ttgctgtgtg cgcattatct 180
 cctgtaatca tcttaattct cactccagca ttcttgacg attcaactgc tgctccaaact 240

cctggcctac aagggtcttt caaccaagt attccaaca gtgtgagttc tgtctcttca 300
agttcaagtt tttc 314

<210> 5811
<211> 317
<212> DNA
<213> Glycine max

<400> 5811

agctgtacta tgcataaat attttatgaa aataccttcg gctgactgag catcaaattt 60
tcctaaacta tcttttccat tattcaatac aaaacattta caaccaaaga tatgaagatg 120
tgagacgttt gggtttctgc cattgaacaa ttcatatgga gttttcttta aaatgggtct 180
tattaaagcc ctatttgaaa tgtagcatgc agtggttaacg gcttcaacc aaagtattt 240
tggaagagga gtatcattta ataaagttct agcaatctct tccaaagatc tattttttct 300
ttcaacaaca ccatttt 317

<210> 5812
<211> 317
<212> DNA
<213> Glycine max

<400> 5812

agcttaaata ttcaacttcg agtttctcga tatattacga gtctcaatga aacatgagag 60
aaaaaaagtt attgtcattt gaatttgctc aaagggtcaa cattcaattt cgagcgtctc 120
gttatattac aggactcaat cagacattcg agtaaaaagt tattgtcggt tgaattagct 180
cagagcttcc acattcaatt tcgagcgtct cgatatatta cgggccttaa tcagacatcc 240
gagtaaaacg ttattgtcgt ttggattggc tcagagattc aacattcaat ttcgagcgtc 300
tcgatatatg acgggac 317

<210> 5813
<211> 323
<212> DNA
<213> Glycine max

<400> 5813

agcttggtac atattgtctg attcttgggt cctcttaagg acttagtcaa aatatccgct 60

ggctgatcat tagaaccaat gaactcagtg acaatctcct tggacagaag cttctctcga 120
atgaaatgac aatcaatctc tatatgcttg gtcctctcat ggaagactgg gtttgaggca 180
atatggagag caacctgatt atcacaatac aacttcattt gcaactcttc acaaaacctc 240
aattcttgaa gaaattgttt gatccacatg agctcacatg tgaccatagc catagatcga 300
tactcagctt ttgcactaga ccg 323

<210> 5814
<211> 331
<212> DNA
<213> Glycine max

<400> 5814

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ggcataggca aaagatcaag aggagttagt ggggttaaaac cataaacaac ttcaaaagga 120
gaacaattag tgggtgctatg aacaactcta ttgtaagcaa attcaacacg gggtaaacaa 180
gcttcccaag tttttaagtt cttcctcaaa actgtcctaa ccaaagttcc caaagtccta 240
ttaacaactt ccatttgccc atcggtttgt gggtgacaag tgggtgaaaa taacaattta 300
gtgcccaact tgctccacaa agtcctccaa a 331

<210> 5815
<211> 331
<212> DNA
<213> Glycine max

<400> 5815

agctttaaga attatgggct catcaaacta cttgtttccc gagggaagtt ctataaatag 60
acctcccatc tttaatggag tgggttacca ctactggaaa acctgcatgc aaatctttat 120
agaggcaata gatttaaata tttgggaagc catagaacaa ggaccttatg ttccctctat 180
agtggccgga agtgcaacaa tagaaaaacc tagagcagat tggactgagg aagaaagaag 240
attagtacaa tataatttaa aggccaaaaa tattattaca tctgctctag gaatagatga 300
atactttagg gtttcaaatt gtaaaagtgc t 331

<210> 5816
<211> 328

<212> DNA
<213> Glycine max

<400> 5816

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ggtgttgatt ttaaacagct ttcattgat aggagctttt ttcaaagatg agattaaatc 120
tgtatggagt tgcgatgaag ataaaagccc cggtcggat ggctttaatt tcccccttctt 180
taaagcatgt tgtggtgtct tgaaagatga gatatttgga attgtttaag agtttcactc 240
atcagggtatt ttgtgaagg ctgtaacatc ctcccttatt gctttgatcc cgaaaaagga 300
taatcctcaa tctttgtcag attatgga 328

<210> 5817
<211> 319
<212> DNA
<213> Glycine max

<400> 5817

agctttgagc caattctaac gattataact ttttactcgg atgtccgagt gagtctcgta 60
atatatcgac acgctcgaaa ttgaatgttg aagctctaag cctattcaaa caacaataac 120
gttttactcg gatgtccgat tcagtgcgt aatatatcgg gacgctcgaa attgaaagtt 180
gaacctctga gccaactcaa acgacaataa ctttttactt ggatgtctga ttgagtaccg 240
aaatatatca agacgctcga aattgaaagt tgaacctatg agcctattca aacgacaata 300
actttttact cggatgtct 319

<210> 5818
<211> 322
<212> DNA
<213> Glycine max

<400> 5818

agcttcacaa atctggcaac agtataaata tattgtacct ggtacaaggg taatagtgtg 60
acagcaggaa catctcacac ttgtagcacc acgtgtgtac attagcaatg tcgtacagcc 120
tccacaatag agttgtgaca tgtccattcc tgcattgggca tcatgaaatt aaagggtccc 180
ccagatgtaa ccattcagtt aaagtacaat acgtgtgaat gaatatttaa tcaagctaaa 240
tgcataatct cttttcagtt tatctcgtc tcaccacaca cacagtatct ttcaaataat 300

atgcctatgt tattaatagc ta

322

<210> 5819
<211> 312
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5819

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gtgaacaaaa atgtggcatt tacctgggggt gaaaaacaag agcaagcctt tgctttgctc 120
aaagaaaagc ttactaaggc acctgttcta gttcttcttg actttttctaa aacttttgag 180
ctagaatgtg atgcctctgg agtgggagtt ggagctgtat tgttacaagg tgggcacctt 240
attgcttggtt ttagtgaaaa acttaatagg gccaccctca actacccacac ttatgataaa 300
gagctttatg cc 312

<210> 5820
<211> 324
<212> DNA
<213> Glycine max

<400> 5820

agcttgcgca tgcttttccc ttttgaggat gttccatag ctcttaagac tggactgatt 60
catttgcttc caaagtttca tggccttgca agagaagacc cgcacaaaca tttgaaagaa 120
tttcacattg tgtgctccac catgaaaccc cgcagatgtc caagaggatc acatatttct 180
gaaagctttt cctcattcat tataggaggt ggcaaaggac tggtgaatt accttgctgc 240
aaggtccatc acgagctggg atgaccttta gagagtattc ttagaaaaaa tttttcctgc 300
ttgcaggacc acagtcacatca ggaa 324

<210> 5821
<211> 320
<212> DNA
<213> Glycine max

<400> 5821

agctttgatg tttatagaga atttagagct ctagagaata cacggagaag aagagagcgc 60

gagcaaaata ggttgcgtca aatataatTTT aaaatgtaat ttcaacatcg gttttcaata 120
 aaaaaactga tgtaacaaa ttgatgttaa atgatacatc gtttaacatcg gttttctaca 180
 aaactgatgt taacggatac acattattta caattatgcc accgcgtgta tgtaaacatc 240
 gattttgtca aaaaccaatg ttaatctgtc gatgttaaaa, ttgctttttg tagtagtcga 300
 cggtcgcacg aaaaacacaa 320

<210> 5822
 <211> 329
 <212> DNA
 <213> Glycine max

<400> 5822

agcttctcga tatattatgt ccttgaatca tacatctgtg ggaagagtta tgaccatttg 60
 aatttctcga gagctaccgt agttcaatTTT cgagtatctc gatatactat tttcccaaT 120
 cggatatect tgtaataagt tatgaccatt cgaatttctc gagatcttct gttgttcaat 180
 ttcaagcgtg tcgatataatt atgtcctcta atcagacatc cgagtgaat agtatgagta 240
 gtcgattttc tcgagagttt cegttgttca atttcgagtg tctcgatata ttatttcccc 300
 gaatcggaca tccatgtgaa atgttatga 329

<210> 5823
 <211> 323
 <212> DNA
 <213> Glycine max

<400> 5823

agcttgtaat tgattacact attactgtaa tcgattacca gagcagattt tcagaaaata 60
 ttctcaacag tcacatcttt ttatgtgggt cttgaatggc tatcaaaggc ctatatatat 120
 gtgacttgag acacgaatTTT gctaagagtt tttcagaaca aaaaggTctt atcctcttat 180
 aaagcaaaat cgttttatcc tcttacaat tcttggcca aattacttgt gattcaataa 240
 ggaattattt gagtgtctca attgttcaat ctatctcttt caagaaagat ttcttctttt 300
 cttcttcttc attctgaaaa ggg 323

<210> 5824
 <211> 315
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 5824

agcttttata gaatgttcgn tcctaattnc ggtacaattg catcacgctg tcaatgagct 60
ggtgaagaag aatgtggcat ttacctgggg tgaaaaacaa gagcaagcct ttgctttgct 120
caaagaaaag cttactaagg cacctgttct agctcttctt gacttttcta aaacttttga 180
gctagaatgt gatgcctctg gagtgggagn tggagctgta ttgttacaag gtgggcaccc 240
tattgcttat tttagtgaag aacttcatag tgccaccctc aactacccca cctatgataa 300
agagctttat gcctt 315

<210> 5825

<211> 329

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 5825

agcttatccc atgcttcttt ggtcgtcggt tcgtnggata tcttctcgga tgtatcttca 60
tccaccgatt gataaatgag aaagagagct ttcttgtctc tctttcttga ctccttcaac 120
gtctccttta caccttggct tagcgaggct tcatcttgct cctcgaagtc attctctacg 180
atatcccaca catcttgagc tcctagtagc gccttcatct tgatactcca attatcatag 240
ttgttctttg tgagcatcga cacttggaag ggaaaacctc cattcgccat cttttgagga 300
tcttgaagct ctgataccac tttgttgga 329

<210> 5826

<211> 310

<212> DNA

<213> Glycine max

<400> 5826

agcttttagc aaattctaac gacaataact tggtagctag atgtctgact gagtcttcta 60
atatatcgag acgctcagaa ttgattatat atatcgagac cctcagaatt gattatcgaa 120
gctctgagca aattcaaatg acaataactt tttactctga tggctgattg agtccccgtaa 180
tatatcgaga cgctcgaaat ggagtaccga agctctgagc aaattcaaac gacaataact 240

ttttacttgg acgtcggatt cagtcccga agaaatcgag acgctccgaa atgaatagcc 300
aagatctgaa 310

<210> 5827
<211> 319
<212> DNA
<213> Glycine max

<400> 5827

agcttgcatt cagctatgaa gatattcaaa tacaaccata gggctcaact tttgggataa 60
acccaaattc atgaaccatt ttatgaaata gtattctccc ttcttgccac aatcctgagt 120
gactacaagc atgaagagct ccaatgaatg tgatgtcatt atggatgacc cctagtgtct 180
ccattttctc agagttccaa tgctgcctca ccattgaccat gcattgcaaa accagatatc 240
atggcatttc acattgaaac atcacgggtcc atggccgcag caagcagtgc atctatgtct 300
ccacacttgg catacgtgt 319

<210> 5828
<211> 285
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5828

agctttaacg catgtgctat cttctaagaa acaanccaag ggttttggtta ggtgttaaat 60
atccctactg aaaggcattc taacgatgat agtcctcata ccaatccaac tctgaaacag 120
gaatagactt ttttagctac acctaagcgg gcccataat ctgcatctta atgaatcacc 180
cgtagttttt ttgtccatac aagatcaatt actgcacaga aaaatgcatt cttttttggg 240
ccaaaacaac cagccttgaa tgtaaaatta tttgcaacaa ccaaa 285

<210> 5829
<211> 458
<212> DNA
<213> Glycine max

<400> 5829

cttcgagcgt ctggttatat tataggactc aattagacat ccgagtaaaa agttattgtc 60
gtttgaattt gctcagagct tcaacattca atttcgagcg tctccatata ttacgggact 120

caatcagaca tccgagtaaa acgttattgt tgtttgaatt tgctcaaagc ttcaacattc 180
aatttcgagc gtctagatat attacaggac tcaatcaaac atccgagtaa aatgttactg 240
tcgtttaaat ttgcttagct ctccagcttt aaatttcgag cgtctcgata tatgacggga 300
ctatatcaga catccgagta aaaagttatt gtcatttgaa tttgcttaga gattcaacat 360
tcattctcga gtgtctcggt atattacggg actcaattat acattcgagt aaaaagttat 420
tgctgcttga attgtctcag agcttcaaca atcaattt 458

<210> 5830
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5830

nggaacaatg gaatactggg tgggtattttt cctcgtcaga taacttgagc ttataagcaa 60
caggaccaat tctttcaata acttggaatg ggccatagaa tcgtttggca agtttggcgg 120
aagctgatga agttcccttg gtagaagact gtcgataggg tcgtaaccgg agaagaaccc 180
aatcgccac ctgataattc acctcctgac gcttgtgatc agcttgcttc ttcattctggt 240
cttgtgcctt tagtaatttc ttgcgaatgg tttgaaaagt agcgtctcta tcagttaaca 300
agtcctcaac agcttcaatg tttgacgtgc cagagatgta ttctagaaaa ttaaatggct 360
tccgacaaa cgttacctcg taggggggtg accctgtccc tgcattccat gaagtattgt 420
gggaccactc aatccatgga aggagcttac cccatttat 459

<210> 5831
<211> 439
<212> DNA
<213> Glycine max

<400> 5831

agcttcaaca acagggtgctc ggtgacgttc taatagtctc aaataagagt tttttctgat 60
tgcttttcta agaacaccca caatagacta tcctttatct gaagttatcc ttttgattga 120
tcatttttac cacaaaaaca aacatacacc ccaatgcata agaaccccca cgtaatagta 180
caaaaagtaa acgaacacaa ccttacctcc gcaagatgaa taatgcatat gtatcttgat 240

tagtatcaat ttataattgc tttgtgtgtg tgttgatata tattaactat tataaaatca 300
 atatatttat cttaaaatta ttacattatt aatgcataac ctattttttt atattaaata 360
 tagaatagat actttcttta taggaataga atatataac ttataagtta ttagtatgag 420
 aataccaac acaatctct 439

<210> 5832
 <211> 430
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 5832

tcttggcatt gaactcatgt gctacaacca agccatgnt gggtttgcac cctatgggcc 60
 ttattggcgc gaactaagaa agattgtaaa cttagaaatc ctctccaatc gccgagtaga 120
 gcaactagag aatgttcgtg tctccgaagt tcaaagttcg atcaaagagc tcttcaatgt 180
 ttgggtcaagc aacaagaata atgagtctgg ctatgcgttg ctggagctga agcaatgggt 240
 ttctcaattg acatacaaca tgggtcttcg aatggtcgtc ggaaagcgac ttttcggtgc 300
 tagaactatg gatgatgaga aagctcagag atgtgtgaag gctgtgaagg agttcatgag 360
 tctgatgggg gtgttcacgg tggcagatgc tattcctctc ttgagatggg ttgatcttgg 420
 tggctatgag 430

<210> 5833
 <211> 259
 <212> DNA
 <213> Glycine max
 <400> 5833

agcttgaat tgataactga agctctgagc atattcaaac gacaataact tttaactcgg 60
 atgtccgatt gagccctata atatatcgag acgctcgaaa ttgaaaacgc aagctctaag 120
 aaaagtcaaa cgacaataac tttaaaactcg gatgtccgat tgagccctat aatatatcga 180
 gagcccaac aaatgaaaac ggatgctcta tgaaatgtca aacgacaata actttcgact 240
 gggatgtccg aaagtgcc 259

<210> 5834
 <211> 415

<212> DNA
<213> Glycine max

<400> 5834

ttcaaacgac aataactttt tactcggatg tgtgattgag tcccgtccta aatcgagacg 60
ctcaaaattg aatgttgaag ctctgagcca attcaaacga caataacgtt ttactcggat 120
gattgattga gtcccgtaat ataacgagac gctcgaaatt gaatgttgaa gctctgatcc 180
aattctaacg acaataactg ttactcggga tgtctgattg agttccgtca tatatcgaga 240
cgctcgaaat tgaatgttga acctctgagc caattcaaac gacaataact ttttactcgg 300
atgtctgagt gagtcccata atatatcgag acgctgcgaa atgaatgttg acctttgagc 360
caattcaaac gacaataact ttttactcgg atgttctatt cagtgcgta atata 415

<210> 5835
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5835

ntctattcta taccttcccg agaaccactt atctggaaaa gtacctccag aaattggcaa 60
ctgcatgtct ttgacagagt tacatctgta ttccaatcaa cttgagggaa acattccaag 120
tgaactggga aaactaagaa aactagtgga tcttgaattg ttttcaaate aattgacggg 180
tgaaattcca ctgagcatct ggaagattaa atctctgaag catctccttg tgtataataa 240
cagtctttct ggggaacttc ctttggagat gacagagctc aagcaactga aaaacatctc 300
attgttttagc aaccagttct ccggagtcac accgcaaagc ttgggaatta acagcagttt 360
agttcttttg gattctacaa ataataaatt cactggcaac atcccaccaa atctgtgtgt 420
tggcaagaaa ttaaacaatcc tgaatntggg catcaaccaa cttc 464

<210> 5836
<211> 407
<212> DNA
<213> Glycine max

<400> 5836

agcttgagtt aacgcatagg atggatatgt acagtacagc atgcagagaa gcatatatat 60

cacatcacac agtagaatct gaatagtata tatagtcctt ttctatataa acgtgctatt 120
 gcgatttcaa ttgggtactac tcttttgttt gctacagatt atggagtga cccaccagag 180
 acttgaggaa gataaaaata tagatgaggc acgagtggct cacgaagctg caatggcaat 240
 tgctgagata gagaaagcaa gatgtatagc agccatggaa actgctgaag catctaagac 300
 aattgcagag gtggaaacac atagacaagc gagtgttgaa gttaaattctc ttaacaagca 360
 taggaaatga cgaagctatt ggaaaatcta ccccaaactg atgtgag 407

<210> 5837
 <211> 465
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5837

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 gttagcatat gtgatactct ccatataagt atactcttca gctctctttg gggattgact 120
 tacacttagt ttgaattgat catatatagg tgtcacaata ggccaacttc gaatttgaca 180
 ttccaaacct ttcaataaat ttattgaggt atgtctcttg agatagatac aaaatcttct 240
 tctttctatc ccttttgatt tccattccca atattctcct tgttggtccca agtccttcat 300
 ttcaaattcc ctttttaact cagctntgac cttggtaatt tgggccttac cgttacttgg 360
 tattaacatg tcatcaacat atagcagtag gattacaaag gtacctttat tcttttgaa 420
 tagccatttt caattgacta cccttgaacc aatgggcttt ttgat 465

<210> 5838
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5838

tgtaatcgat tacacaaata ctgtaatcga ttaccagagc atattntcag aaaatattct 60
 caacagtcac atctttttat gtgggtcttg aatggctatc aaaggcctat atatatgtga 120
 cttgagacac gaatttgcta agagtttctg agaacaaaaa ggtcttatcc tctttaaag 180
 caaaatcgct ttatcctctt acaaattcct tggccaaaac acttgatgatt caataaggaa 240

ttatctgagt gctcaaatcg ttcaatctat ctctctcaag agaaattact ccttctcttc 300
 ttctttattc tgaaaaaagg attaagagac cgaggggtctc tngttgtaaa gaaatctgaa 360
 cacaaaggaa gggttgtcct tgtgtgggttc agatctcggtt atacgctctt acaagatact 420
 ggaactctca agccgggttg ttaggagact 449

<210> 5839
 <211> 389
 <212> DNA
 <213> Glycine max
 <400> 5839

agctttgacc aaaatcaaac gacaacaact ttttactcgg atgtcggaat gaatactgta 60
 ttatatcgag acgctcgaaa ttgacaatat atcgagacgc tcgtaattga aaccaaagtc 120
 tcgaagcaaa ttctaacgac cataactttt tactcggatg ttcgaatgaa tcccataata 180
 tatcaagacg ctctgtatttg aaaacataag ctctaatacat attctaata taataactgt 240
 ctactcggat gtcagattga gtcccgtaat atatcgagac tcccgttaatt gataacggat 300
 gctcgtacta atttaaata caatattaat atgctctata ttgagcaatg gagctcttga 360
 gcaattcaaa tggatcatcac ttatatattt 389

<210> 5840
 <211> 468
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 5840

ctttanatgt ctntcgtaga atcttaacat cgaatcggtt ctctctttcc aatggaagga 60
 actttaagtt attttttatg gattgtacga gaaatgagag tattggattg tcagacttga 120
 gcaccaaata acgctactaa aaaagatatg agaaaattct aagttactga ttaaataata 180
 ttgaattttc tcttatcata ttacttttaa aatgatcata tcaaacatac aataaattaa 240
 ataatcttta tttccatttt gaaaatttac gaacatgtga catcaaaaag gaaattttat 300
 gaacatagta ttatggggat agaatacaaa anttcaattc aaaaataaat tctactcaaa 360
 agtatctcat ataaaaatta atcaacttat atagcaaaac aactaataaa atagttaact 420
 ttcacaggtt ttcccctttc taaactagac aaattgtatt acaataat 468

<210> 5841
 <211> 469
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 5841

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 ggaagtgttg acagtggcca ctgtggagga tctagtaatg taatcaggca aagtgtgggg 120
 agaatggccg tacagagctt taaacaaaga cattctgatg gcagagtgaa aggtggagtt 180
 gaaccaatat tctgcctagt tgagataatt gaaccaaagg caaggatgct tactgacaaa 240
 gcatctaagg taagattcca aacttctatt caccacctat gtttgaccat cgggtctctgg 300
 atggtaggca atgctgaact gtaattntgt gccttgcat tgaacaatt ccttccaaaa 360
 agcactgaga aagagaggat ccctatcaga ggtgatagtt attggaagac catgtatgtg 420
 gcatctctta gtggagaagt gataagctaa attttagca gcatacttt 469

<210> 5842
 <211> 468
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 5842

tcaacatcag accacttcca ggggtctgga actacttcac atggacttga tggggcctat 60
 gcaagttgaa agccttggag gaaagaggta tgcctatgtt gttgtggatg atttctccag 120
 atttacctgn gtcaacttta tcagagagaa atcagacacc tttgaagtat tcaaggagtt 180
 gagtctaaga cttcaaagag aaaaagactg tgtcatcaag agaatcanga gtgaccatgg 240
 cagagagttt gaaaacagca agtttactga attctgcaca tctgaaggca tcatcatga 300
 gttctctgca gccattacac cacaacaaaa tggcatagtt gaaaggaaaa ataggactnt 360
 gcaagaagct gctagggta tgcttcatgc caaagaactt ccctataatc tctgggctga 420
 agccatgaac acagcgtgct acatccacaa cagagtcaca cttagaag 468

<210> 5843
 <211> 466

<212> DNA
 <213> Glycine max
 .
 <223> unsure at all n locations
 <400> 5843

ngaacattag cttcagccac gtaccgacaa gtttcaccaa cccttggggc tgtctctccc 60
 aaaatctgct tctggacttc taaccagtg gtgtagcaca ttattgaatt ctcaagttgg 120
 cccagcatag cataggtgtc tcccagttgc atgtgaccag caaatttagc aagggcatgt 180
 tgttggtttt cccaataac aggaatctca attgagcgt caagaatcgg aattgcctca 240
 ccatattgac ccaagctgca atatattgct gctgtaacat gtaaacacat aaccagctcc 300
 aaacttggtt tcccattacc aaacttctca aacagttcca ttgcttgaag agctaagtca 360
 agagccttct gcggattatc cncatgatgaa atcagatctc ttgcttgctn tagcaataca 420
 agtgcgcgct caggtttttc taatgctgac tcagccatac tctcaa 466

<210> 5844
 <211> 420
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 5844

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 agaaatctgt accagtcgca agagtctgtg gtttatgtc ctctactgac caccatacag 120
 acctctgccc ttccatgcag caacctggag caattgagca gcctgaagct tatgctgcaa 180
 acatttaca tagacctct taacctcaac aacaaaatca accacagcag aacaattatg 240
 acctctccag caatagatac aaccttggat ggaggaaatca ccctaattctc agatgggtcta 300
 gcctcaaca acaacaacag caacctgtc cttccttcca aaatgttgct ggccaagca 360
 gaccatacat tctccacca atccaacaac agcaacaacc ccagaaacaa caaacagttg 420

<210> 5845
 <211> 442
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 5845

gggtcatgct agagcatagt ctcgtaagag gacttccaaa gctgtcatat caagatgact 60
 ctctttgtga agcttattag aaagggaaaa aagtaaaaag ttatttttaa gccaaaaatg 120
 ttctttccac tttgaggcct atagagcctt ttgcaccttg acttgcttgg accaaccagg 180
 actacatccc tttttggatg cagatatggt ctggtcatag tggactatta cactaaatgg 240
 acatgggtta ggttcctagt ccacaaggat gagtcttttg ataccttcta ttaattctat 300
 aaaaagattc aaaatgaaaa aggcatcttg atctcttcaa tctgaagtga tcacggcaga 360
 gagtctgaaa atgatctttt tgaacaaaat tgtgaagaga atggtattca ccataatntn 420
 tccacttcaa ggacaccaca ac 442

<210> 5846
 <211> 336
 <212> DNA
 <213> Glycine max

<400> 5846

agcttgacct tctacagga tatcaccaaa ttgcatgca ctctgaggac atccccgaaa 60
 tggcttttcg aactcaccat ggccactacg agttcaagg catgcccttc aggttgtgca 120
 acgccccatc ctcttatcac gcgaccatga acttaattt ccgttcatal ctttgccact 180
 ttgtcgttgt cttcttcgac gacattctgg tatacagcg ttcatagag gctcatctgc 240
 ttcatattga gatgactttc caggtattac ttgacaacca ctttgtcctg aagctctcta 300
 tatgcttttt tggccaaccg catgtcgaat acttgg 336

<210> 5847
 <211> 465
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5847

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 attcctcaa atttgggaga ccagatacgt caggaatctg tgtaaacaat ttgcaccgt 120
 caaaattcaa tgttcttaga tttacgaaca tctgcaaaaa aaaacagaaa caagaaagaa 180
 ataagaacag aatgattaat cttaaaagtg aatntattaa ataacaagat gtggaaaatg 240
 tactctttaa gcttaccttc cataagccat cccactcaaa tgacgaaata caactatagg 300

gtaacttgca tatggaaagt tttttcggat gaaaatcaga tggtaaacaa tgtgaaggat 360
atctccacca ttccagtact ctcaaattgt ttggaagata tttgggacct ttggaaaant 420
taccatttct aataataagt gtcttgaggg ttttcatctt cttga 465

<210> 5848
<211> 250
<212> DNA
<213> Glycine max

<400> 5848

agcttcacag cggagacgac atatcacctg tactttccaa ggcaattcat gagtccagga 60
ttgctattac tgtgctttct caaaactatg cttcttcctc gttttgttta gatgaacttg 120
taaccatcct tcaactgctag agggaagggg tggttggttat accggtcttt cataacgtaa 180
atccttctgc tgtcagacac ctgaaaggta gttatggaca agcaatggct aagcatcaga 240
agaggttcca 250

<210> 5849
<211> 434
<212> DNA
<213> Glycine max

<400> 5849

actagatgcc ttggttaacc tggtaaccca actggccatg aataaaaaat ctgcacctgt 60
cgccagactc tgtgggttat gtcctctac cgaccaccac acagaccttt gcccttctgt 120
gcaacaatct gaagcaattg aacagcttga agcttatgct gcaaacatct acaacagaac 180
aattatgacc tctctagcaa caggtacaat cccgggtgga ggaatcatcc caaccttaga 240
tggtcgaatc cttcacaaca acagcaacaa caaccttatt ttcaaaatgc tggtggccca 300
agcagaccat gcgttctctc actaatctag cagcaacaac agcaacagca cagcccaaaa 360
aataacaaat agttgaggcc cctccgcaac cttcccttga agaacttggt aggaaaatgg 420
ctatgcaaaa catg 434

<210> 5850
<211> 473
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5850

tgcanaaaga aacaagttca atttgcctcc atcaccacca attctacca taattggcaa 60
tcttcatcag ctaggaaacac taccacatcg ctcttccat gcactctcac gcaaataatgg 120
ccctctcatg ttgctgcaat tgggccaat tccaacccta gtggtctcat cagctgaagt 180
ggcaagagaa ataatcaaaa aacatgatat tgccttttcc aaccgcccac aatctacagc 240
tgctaaaata ttactttgtg gatgatgcaa tgatataaaa aacaaaaata ttgaacatgt 300
tgaaaacat aagtaataca ctcatgatcaa acagggaaga gaaaaaaaaat aattttcaca 360
ggatatcttc tcttattatt tccactagct caaatctgat tgggtgtgtt tatgtaaagg 420
gaggaataga cttagtaatc aagattgaga gcactccatc ttatntaaaa aac 473

<210> 5851
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5851

tgtaacaag acgaatgttg gcaaaagtcc nccttgccat cacctcatca ttgcctcgac 60
gacttccata agaattgaag tccttgcgtt ccaccccatg ctcaacaagg tatttggcag 120
caggactgtc cttgtgaatg cttccagctg gagaaatatg atcagtgggt atactgtcac 180
caaaattcag taggcaataa gcacttttta caccatgagg tccaggagga tccatgggtca 240
tgctcttgaa gtaaggggggt tcatggatat atgttgagtc aggggtcccat gagtatagag 300
tgtcagcagg aacttgtagt tgattccaca ttgggttccc tttggtaata gcctcatatg 360
tacttcgaaa catctcaggc aacacactgg attggacaac ctaagataaa agtcacccaa 420
ag 422

<210> 5852
<211> 376
<212> DNA
<213> Glycine max

<400> 5852

agcttgcctt attatgtgag gatactcgat gatagaaaat atgaactgat ctgtgttaag 60

taatgtcatg gtgtgggtag cttctaataca tatcttgcaa ccttttccaa gcttcaggta 120
 gactctctta ctgccattgc acaaattttc taatgtccct aatgtactga tccatcttca 180
 tgggagagaa atactttctt aagaaggcac ttgtgactg gttccatgta gtgatgccac 240
 tctcaagtgg tgaacacaac tagtcccttg cttttccatt gagagagaaa ggaaaaacat 300
 aaagtctaac atactttgtc agtacacagt tctatctcac cgtgttggtc aactgatgaa 360
 cttcctcaag tgctat 376

<210> 5853
 <211> 454
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 5853

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 aatgaagtga cttatattgc tatttttgct gctttagtc actctgggat ggaggatgaa 120
 ggctgcatt tgttccatac aatgaaagct acccatgggg ttgaacctat aggtgaccat 180
 tatgcttgtc ttgtggactt gcttggcaca tccggtcgag tcaaagaggc ctattaactg 240
 atcaatacaa tgccatctca atttgaacaa agtatatgca tggagtatct tgcttggtgc 300
 ctgtacgatt caccagagtg tagaatttgg tgaaattgca gcaaatacacc tgtttgtctt 360
 ggagccaaat gtagctaacc attatgttct aatgtccaac atatactcct cagctggact 420
 atgggaccag gcattgagag tacctaatac aatg 454

<210> 5854
 <211> 447
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 5854

atactaagct tgagcacatc aaacgaagat aactntatat tcggatgtgc gattgagtcc 60
 cggatatatat cgagaggctc caaattgaaa acggaagctc atatcaaatt caaaggacaa 120
 taacttttta ctcgatgtg caatagagtc ccgtaataa tcgaaacact ccagattgaa 180
 aatggaagct cgtatcaaat tcaaacgaca ataacttttt actcagatct ccaatagagt 240

cccgtaatat atcacaactc tccaaattga aattggaagc tcgtatcaaa ttcaaacgac 300
 attcactttt aacttggatg tccgattgag tcccgtaata tatcgagacc gctcaaattg 360
 aaagcagaag ctctaagcaa attcaaacga caataacttc ctattcggat gtccgatcaa 420
 gtccgtaata tatcgagacg ctctaaa 447

<210> 5855
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 5855

cgacaataac ttttactcgg atgtctgatt cagtccccga atatatcgag acgctcgaaa 60
 ttgaatgttg aacctctgag caaatgcaaa cgaaaataat tttttcttgg atgtcttttt 120
 gagaccgta atatatcgag acgctcgaaa ttgaatgttg aagctcttag caaattcaaa 180
 cgataataac tttctactcg gatgtctgat tgagtgtgt aatatatcga gacgctcaaa 240
 attgaatgtt gaacctctga gcaaatgcaa acgacaataa tctttttctc ggatgtgttg 300
 ttgagcccg taatataacg agacggctca aattgaatgg tgacctctga gcaaaatcaa 360
 accggaatat cttttttctt gaatgtttga atgagtc 397

<210> 5856
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n. locations
 <400> 5856

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 aatctgtacc tgttgcaaag gtttgtggtt tgtgctctc tgctgaccac catacagacc 120
 tttgcccttc catgcagcaa cctggagcaa ttgagccgcc tgaagcttat gctgcaaata 180
 tttacaatag acctcttcaa cctcagcagc aaaatcaacc acagcagaac aattacgaac 240
 ctttcagcaa tagatacaac cctggatgga ggaatcacc taacctcaga tggccaacc 300
 ctcagcaaca acaatagcag cctgctcctt ccttccaaaa tgttgctggc ccaagcagac 360
 ctacattcct ccaccaatcc aacaacaagc acaacccc 398

<210> 5857
 <211> 460
 <212> DNA
 <213> Glycine max

<400> 5857

ctaagcttag gctgctcaat tgctccaggt tgctgcatgg aagggcatag gtctgtatgg 60
 tggtcagcag aggagcacia accacaaacc cttgcgacag gtacagattt ctgattcaag 120
 gccagctggg ttaccaagtt aaccaatgca tccagttttc cttcaagctt cttagtttca 180
 gatgatgcag atggggttgt agctacctca tgcactcttc taatgactat ggcattcattt 240
 ctggcgctaa actgctggga gttggaggcc atctttctca ttaaatttct ggcttcagca 300
 ggagtcattg ctccaagggc tccaccactg gcagcatcta tcatacttct ctccatatta 360
 ctgagtcctt cataaaaatg ttggagaaga agctgttctg aaatctgatg gtgagggcaa 420
 ctggcacata gttttcttaa tcgcttccag tactcataca 460

<210> 5858
 <211> 428
 <212> DNA
 <213> Glycine max

<400> 5858

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 tcaaagtctt tggatgaagc aacaatgatg taagctccat tggagcttgt aggcctagga 120
 tcttcttcat caatggattc ctttgccttc tggaagatga atggcagcgg aatggagaaa 180
 ggaagagaga gaggagacgc cacttcaagg agaagatgag tctagaagaa gctcaccacc 240
 ataggaggcc atggataaga gcttggagga agaagagat gaatgaacgg agaggagag 300
 aagagcacga tattttgtgc tctagatgag ctttgagatc tgaaagttaa tatgcaaaga 360
 tcaaagctga aaaaaatgca cacacatgac ctctatttat agcctaagtg cacacacaat 420
 ggagggaa 428

<210> 5859
 <211> 367
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 5859

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ggatcataca aagttgctgt ggttaacagg aagagaccct caattcttgc accttctagg 120
caaaagttga cccaacttcc aggaacttct attgagggag ttgaaaaggg tggctacatt 180
atttcagaca actcgtcagg taacaagcct gatgttattt tgattggaac tggttctgag 240
ttggaaattg ctgctgctgc tgctgaggat ctaaggaagg aaggaaaagc tgtagagtt 300
gtttcttttg ttagctggga actntntgat gaggctcag atgaatacaa agagaggttc 360
tcctctgc 367

<210> 5860
<211> 345
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5860

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tgtattcggt taaaatgcat gaagatagat cagtaggaga acaattggat ttgtttaata 120
aactgattct agatcttgaa aatatcgatg tcaactattga tgatgaggat caagctttgt 180
tattgttgtg ctctntgcct aagagttact ctcatctcaa agagacttta ttgtttggaa 240
gagattttgt ttctcttgat gaagtgcagg ctgctctgaa ttcacaggaa ttgaatgaaa 300
gaaaggaaaa gaagtcctct acaagtgggtg aaagggtgac agcaa 345

<210> 5861
<211> 364
<212> DNA
<213> Glycine max

<400> 5861

caagaatagc aacttcctca taaaagatgc gatggggata gggctgagca ccgggaaaga 60
tgaaacttcc cctggtgtaa ttcacaaatc taacattgag ggaaagcatt tcagcaaatt 120
tcaatatggg tgggattgca agcagtagct ttgtagcacc acaggttttg atgatgatct 180
tgtatgcata aacaaagaga ctggactcat acagaacata ggagtcgaca tgatcatttc 240

tgagagatga aacaatggtg caagcagccg gtgtaagtat ctcatccaac tgggactttg 300
 caagagcttc taaaccatt ccctcagggt cagcaaaaag tccggctgga aaaaggatat 360
 ttcc 364

<210> 5862
 <211> 446
 <212> DNA
 <213> Glycine max

<400> 5862

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 agttgtcaag caagatggtt ttgctcaatg ccaaacaac catactatgt ttgttaagca 120
 ttctctggat ggaaagatag ctttgtttat tgtttatgta gatgatatca taattctagg 180
 agacgattat gatcaaataa atcatctgaa gaatcttcta gccgaggaat ttgaagtcaa 240
 ggatctacgc cagctcaagt attttctagg gatggaaatt gctcggataa agaatggtat 300
 ttttgtttct caaagaaagt acactctaga tttacttcaa gaaacgggga tgcttggtatg 360
 caaagcagcc aatgctacca tagaaccagt caaaaggagt gaagaggaga gtgtagcagc 420
 tgacaaagat agatatcaca gtctag 446

<210> 5863
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 5863

tgtcataaaa ttgattgata aaaacaacta gagaaaatta ccagccatta acaacaacgg 60
 gccagtaatg agcttttagtt ggagcatcta atcgatgaac aataactgga tcagccttca 120
 tactagaaat tgagaaacct aacagactat gaaatgatgc tcatcagaac tgcataatga 180
 atcacaaaag acaagggtg attgctaata actgtggcga caaacctgcc atataaagag 240
 aagtcataaa tgaccctgta taaactctat caacagccaa tccatgttct agttgtaatt 300
 ctggaactga ttcttcagct gtaatcatta gtaccattgt acgagtgcc cctaacctgc 360
 atatgaagaa tcatttcaact aaacattcta taggaaaaat atcgtcacaa ggaatcttga 420
 acatc 425

<210> 5864
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5864

tgtcttaagt gtttatatat caacttgtga tatgtactat caaaatagtt agttaggagt 60
 aaaagtcttg tgtgcatgag cttggttctg gtacccttga tggaatgtaa tgtgccatgc 120
 aatcttttta cgtattatatt attcaaattt ttttgagaat taattatttt gaaattcaag 180
 agcttataaa aaaatccaat ttttaattgtg acaaattttg atgaggcccg atcacaaaaa 240
 tcatgagatt tccttcttat ttatttaatt tttcctttta tctttaaata cttttattac 300
 cgtatcaaac tatcaattat ttttaattgcc ctttaattcc ttcttattta ttttaatttc 360
 ccttttgtct ttaagcatat tatcccctag ttcctaattt cgtttaatga tcccattagc 420
 tctcttggtg cggtatcaac aaaactttnt tctc 454

<210> 5865
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5865

agcttngnac tgccagattg ggtaaaattt cagtgcagct ttttaattgga caaatgcagc 60
 ttgcgccact tctctccatt gaaaactgtc ctttttaaga agctggtgta agggtttaac 120
 aatctttcca taatctttta tgagccttct atagtaccct cttagccctt aaaatcccca 180
 caggctgtta atatcttttag gtactcttta gattctggtg agtggcgaga accacggagc 240
 ttctactttc ttgggtcttc tgacaccctt tcagctgaga taacatgtcc catatattcc 300
 agatttggtc aaccacact gtgtgtcctt ttggtcatca ctagcttatt tcttataaat 360
 gcttgcaagt tgcaacacct tcctcaaatg atgaccttga tctttactat gcgaacgtct 420
 ggacagt 427

<210> 5866
 <211> 470
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 5866

ctctccacta agttgcctga tgcctgaaat gtcttttctg atggtattgg tcctagatgc 60
aggggaagaat ttctccaaga acaccatttt aagggtcatcc cagctgacaa tggacctgng 120
agcaatagta tagccaatct tgtgccactc cctccaaaga atgaggaaaa gccttttagaa 180
agatatgata ttcttggaca tcagggggct tcatggtgga acaaacaata tggaactcct 240
taagatgctt atgaggatct tcacctgcaa gaccatgaaa cttgggcaac aaatgtatta 300
nttcagtctt gagaacatat ggaacaccct catcaggata ttgaatgcac aagctttcat 360
aagtaaaatc aggtgcatcc atctccctaa gagtctctcc acgaggtgga ggttgagtca 420
tgttctctnt atgaaaatta gtagtgggaat gctcaaaatc agaattattca 470

<210> 5867

<211> 422

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 5867

agcttcttat ccaaggctca tcttgggtgg gaagctcctt ctccatggc ttattcccta 60
gtggatgggtg cctcctetca cctcttctcc tttgtcttcc ggtgcatctc catggtggaa 120
aatcaccatt aaaggacctc attgaagctc gaagatccag cctccataga agccccacaa 180
gtaagcttcc atcaacacat gagctcaaag ggaagcttcc aatctggtgg ttgcatgata 240
ggagaggtgg ttagcctttt cctcaactcc tcaaagcctt ctttgcaggg ttggtcaagc 300
acaaagccta tatgtccttt ataagaagct tggacaatgg cagggcaata ctgctgacat 360
ctgnatgaat ctctataga aacttgcata tccaagaaaa gaatgcactt cccacaaaaa 420
gc 422

<210> 5868

<211> 399

<212> DNA

<213> Glycine max

<400> 5868

agcttgggta tctccttctt cactacatca agaatcaccg ggttgagtct tctctgtggc 60
 tgtcttactg gtttagctcc atcctctaaa tttattcgat gcatacatgt ggatgggcta 120
 ataccaggaa tgtctgccag ggtccagcct atagccttct tatgcttctt gagaacagat 180
 aaaaacttct cctcttgctc accagcaagg gatgcagata taattactgg aaaacttttg 240
 ctatcatcca agtaagcgta ttttaaattt gatggcagag gcttcagttc tgggtgtggcc 300
 ggctggataa tggtaacaagg agatggtttc tcaccctgca cctcataaag aaagcacacg 360
 tatgtgtact tctcgaaaca tggtagttc tatctgact 399

<210> 5869
 <211> 403
 <212> DNA
 <213> Glycine max

<400> 5869
 agcttgtggg gcaaaagatt acatctatac ttaggaatct ttgatggggc agcctccaag 60
 actccattaa gattccttgg gtgaggtggg acatagtctg cctacctaag agtaaagggtg 120
 ggttatggat caaagatttg attaaattca acgaggcttt gcttgctaaa tgggggtggg 180
 agttggcaaa taatcagaat cagttgtggg ccacaattct attgtgtaga tatggcggtt 240
 ggagggattc gatttctcat acgaactgca gtttatactc tccttgggtg agagacctca 300
 atgttatctt caagcagcag caaagcacca caattggtaa aaatagcttt attttgccat 360
 aggtaaggac ggtccatgga atacaaacca agtacttatt ggc 403

<210> 5870
 <211> 486
 <212> DNA
 <213> Glycine max

<400> 5870
 tgctattacg gaactataaa actaagcttc tctttgtgca actgtctcat cctctttttc 60
 aggtgtagaa tgaagcttga caggttcagg tgcagggtgt gctactggtg gaggcacttg 120
 aatttggttg ctagacctca aggtgatggc actcacattt ttcggatttt gcacagtttg 180
 tgaaggcaat ttgtcagaat tttgggactg agcttggttc atctgagtag ccatctgccc 240
 catctgattt gtcagacttt gaatggagge tcttatctct tgctgaaatt gcatattatg 300

catggtcatt ttgcctcact aactcttcta agggagggttg aggaggagcc taagttgctt 360
 gttgtctttg tgggtgactgc tgctattgct gttgctgtat tggaggagga acatatggct 420
 tgcttgagacc agcaacattt tgaaaaggag ggacagactg ttgttgttgt ggaggacttg 480
 tccatc 486

<210> 5871
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5871

tgtntacccc atgttgagtn tgcttacaat aaagctgttc atatcactac taattgttct 60
 ccttttgaag ttgtttatgt ttgtaaccca ctaacttctc ttgatctttt gcctatgcct 120
 aatgtttcta tttttaagca taaagaaggc caagtaaagg cggctctatgt gaagaagctt 180
 catgagagag tcaaagatca aattgacagg aaaaataaaa gctatgctaa acaagccaac 240
 aaaggagaaa agaaggttgt cttcgaaacct ggagattgtg tttgggtgca catgagaaaa 300
 gaaaggttta tggaacaaaag gaaatcaaag cttcaaccaa ggggagatgg accattttta 360
 gtgcttgaaa gaatcaatga caatgcttac aaagttgagc taccagtgga gtataatggt 420
 agttccacct tcaatgtctc tgacttatct c 451

<210> 5872
 <211> 464
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5872

tcccaagttt ttaagttctt cctgaacact ggctcattt atgttccac agtcctatta 60
 acaacttcg tttgtccatc ggtttgagg tgacaagtgg ttgaccataa caatttattg 120
 cccaacttgc tccacaaagt cctccaaaaa tgacttagga acttagagtc cctatcacta 180
 acaatgctcc ttggcaaacc atggagtctc acaatctcct tgaaaaacaa atcactcaca 240
 tgggaagcat catcaacttt ttacatgga ataaatgag ccattttaga aaacctatca 300
 acaaccacaa aaatggaatc tctaccattg cttgtttttg cgcagcccaa aacaaaatcc 360

atggataaat caatccaagg atactccgga attggcaatg gagtatacaa tccatgaggc 420
 ttacaccttag actgtgcctt tntacataca atgcaatggt caca 464

<210> 5873
 <211> 229
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5873

gctgagaatg ggaatcgcac tagcaatact acgcatgctc caatcttatg tggatgacac 60
 attaacgnat cacaattatg gggctccgaa aaggggtgat aatggagaat tctctaagct 120
 atcactacgc atagctacaa actctaaggt ggaggacaca tgaactatta ctcatctcat 180
 ggggctccga atagattgag aatggataat tgcactaaaa aatcactac 229

<210> 5874
 <211> 480
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5874

gcaagctaag ctcttaact gacaaggctc ttatatattga atatatcctt gtggaacctt 60
 caccgcagca agacactgac aaaaacttat attcttcttc ttggacaaag tatggcaggc 120
 tgggggcaag taaattttct tcccatcaaa ccttggatgc aactgtgatc atatacccat 180
 atcagctaga tcttgacaga tattcaagcc atccttcgctc ttgccttgaa tgttaaggag 240
 cgttccaatc acactgtcac aaacattntt ctccacatgc ataacatcaa tacaatgtct 300
 aacctcaaga tcacaccagt aaggaagatc aaagaanatg aacctcttct tccatatgca 360
 actctgactt ttatccttct tttgggtctt cccaaatata atattcaggt gtngaaccgc 420
 ttgatatacc ttgctactag tcaacagtat cggcgcaata tcatgctctt gaacttcatt 480

<210> 5875
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5875

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 cncttgcttc aaaccccttg taggtgtaaa ttccttagag gggctaccat taatcaaaac 120
 taatatagaa gctgagtgga ggcaagctga tatccatgat ctccattttg ggcagaaccc 180
 caatctaaac agcatgtagt ccaaaaaaga ccaagacatn gaatcatatg gccttttcaa 240
 atccacctta aatatcatca ctggtttctt gtttctcctt gcctcctcaa ccacctcatt 300
 gagtatcaag ataccatgga ggatatgtct tcctttaatg aaggcagact gcctttcatc 360
 aattaacca tccataacag acctcaatct attagacaac aacttggtta taattntata 420
 catacaacct atc 433

<210> 5876
 <211> 302
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 5876

catgcaagct taatggagga aaagaangat agatagaatt ggtgggagca cganattgaa 60
 ggagaaaaga gagggagaga agttgaactt tgaatgatgt agctccatgt ggagcttgta 120
 ggccttggat gttcatcatc aatggagtcc tttgcttctt aaagatcaat ggtagtgaaa 180
 tggagaagga agaaagatta ttggagacgc cacttcaagg agaagatgag tcaagaacaa 240
 gctcaccacc ataggaagcc atggataaga gcttgaaggt agaagaagat gagtggaggg 300
 ag 302

<210> 5877
 <211> 389
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 5877

taagctggag gggcaactgg atgcgtnggt caacttggtta acccagctgg ccttgaatca 60
 tanatctgta cctgtcgcaa gggtttgttg tttgtgctcc tctgctgacc accatacaga 120
 cctttgccct tccatgcagc aacctgtagc aattgagcaa cctgaagctt atgctgcaaa 180
 tatntataat agacctcctc aacctcagca gaataatcaa ccacagcaga gcaattatga 240

cctttccagc aacagataca accatggatg gaggaatcac cctaacctta gatggtgcag 300
cccttagcaa caacaacagc agcctgctcc ttccttccat aatgctgctg gccaagcag 360
accatacatt ccttcaccaa tccaacaac 389

<210> 5878
<211> 400
<212> DNA
<213> Glycine max

<400> 5878

agcttcaaca ttcaatttca agcgttccga tattttacag gactcatatc ggatagccga 60
gcaaaaagtt attgtcgttt gatattgctc agagcttcgg tattcaattt cgagcgtctc 120
gatatattaa gggactgaat cagacattcg agtaaaaagt tattatcggt tgaatttgca 180
cagaacttcg gtattccatt ttgagcaact cgatatatta cgggactcaa tcaaacattc 240
gagtaacaag ttattgtcgt tggaatttgg tcagagcttc gataatcaat ttcgagcgtc 300
tcaatatatt acgggactta gtcagacatc cgagtaatac gttattgtcg tttgaattta 360
ctcagagctt cggcttctca tttcgagcgt ctcaacatat 400

<210> 5879
<211> 385
<212> DNA
<213> Glycine max

<400> 5879

ctcgacaaga cagtcacact gtgcttctta acaagattaa cttgtgaaat ctactctgaa 60
gatacatggg ataataccca taattataac actccctctc aagctggagc atattaatta 120
tatgcaccat gcttgaaca tataaactga attctatgcc ccctcaagga tttagtcaaa 180
atatctgctg gctgatcatt ggaaataatg aattcagtta caatctcttt tgacagtagc 240
ttctgccgaa taaagtgaca gtctatctct atgtgcttgg ttctctcatg gaatactgga 300
ttggaagcta tatgcctagc agcctgatta tcacaatata acatcatatt gcatcacttg 360
ctgaatataa ctctgcagaa ttagt 385

<210> 5880
<211> 444

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 5880

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 ccgactaaga cactgacaaa aacttatctn tctcttttg gacaaagtat ggcaggctgg 120
 gggcaagtta attttcttcc cgtcagacct tggatgcaac tgtgatcgtg tgcccatatc 180
 agctagatct tgacgggtat tcaagccatc cttcgtcttg ccttgaatgt taagcagcgt 240
 cccaatcaca ctgacgcaaa catctttctc cacatgcata acatcaatac aatgtctaac 300
 gtcaagatca gactattacg gaagatctaa gaacatagac catctctttc atatgcaact 360
 cttacttata tccttctttt ggggtctgtc aaatcaatat tcatgtgtag tacacgtca 420
 tatacctgct caccatacaa cagt 444

<210> 5881
 <211> 301
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 5881

agtcactgca gctgcagctc gcccataagc tnggtaacag tgaacatatg ccctcaagta 60
 gtgttctacc acgcgattca naacttctgt ctacccatca ctntgtgggt gatatgaaga 120
 gctcatgtgc agcaagggtc cactcgcgtg aaagagttcc tgccaaaagc gactaatgaa 180
 caggggggtct ctatcggaga ccaagctcct aggaatccca tggagtttga ctacgatgtt 240
 gacgaataag gaagcaggca tgtgtgccat atgtgcagtt cgaaggattc ctaagtgaat 300
 t 301

<210> 5882
 <211> 326
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 5882

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atgaatgaca acgcaattca ttcattgngc tccgaaaaag ggtaagaatg gaggatttgc 120
 ttgatgtgcc tctcttaggc aatcatggaa cacaactcca tactcgaaag tggaggacac 180
 acgaacaggc ctaaccaata acattcatgt tgctccaaat aaggatgaga atggatgac 240
 tcgatgaggg tcctatctag ggcattattg aacacatctc ctaacttgat tttggatgtc 300
 acatgaatga caacgcaatt tattca 326

<210> 5883
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5883

atccttaagt cacctgcggc atgcaagctt cttcagaaag atgtagaatt gtgcttgacc 60
 aaccttacia ataggaaatt gaggagctga ggaggaggct taccacctct cccattatgc 120
 aaccactaga ttgggagctt ccatttaagc tcatgtgtga tgccccaat tatgcactta 180
 ggggtgtttt gtcacagaga gttgataaat taacacatgt cattgcttac gcctcacaca 240
 ctctagatgc agcccaagtc aattacacca ctactgaaa tgagctttta gatattgctt 300
 ttgcattata ntaaattaga tcttatntgc tntgctccca tattactgtc tatgtgacac 360
 cctctacctc gacatacata taaataagaa aaacattant ttattcattt agactttcag 420
 agaccaacat aatc 434

<210> 5884
 <211> 465
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5884

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 ctaatggttt ggaatgagag cctagaaaga agaggctact actctcgaaa gagtagcatt 120
 gtcaaaaaaa ctcatgcatg cttntacaaa catcctctc aatagtctcc cagaaagatn 180
 tataaaaaatt aaagccatag tcacagggc ctgtgctttg tcctccttca caacaccaa 240
 caacattctt tatctcttct gaggtgagag acatatatat ccttgaatac tcctcctctg 300

aaagttgttt aaatcgaact ccatctagaa ttggtctatg tatccctggc tcacataaca 360
aatattcaaa gtgtgatctg attgtgggtt aaacctcatc gacctcatgc acccaactct 420
gatcagtatt aatgcgctct agcttatnta tactagttct tatte 465

<210> 5885
<211> 395
<212> DNA
<213> Glycine max

<400> 5885

taagctcgat cctcgctggt atgctgcaat aaagcttcac gacatatacg ttccttatgg 60
agctcaaggc ctgaacctcc gcgtaaaact cctttgactt cccagcagcg aacttattcc 120
caagcatggg agtgctgctc caccgacgact ttctcctggc ggtgacatcg gtgttccata 180
tatgcttcac cgctagttct ttctcgttgg aaagcgtgac cctgtacacg ttccctgaac 240
ctgctattac tatgagattc tctgcttga tggaatctag aatcttcccc tcttgaaac 300
tcaacacgtg gaacgatatc acgtcccacg tgattttctt caaggaactg ctcccgtatt 360
tctctgcctc cttcatcctc ctcttgagtt gcatg 395

<210> 5886
<211> 244
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5886

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ctgaactttg aagtgttaatt ctcaaagat caaagttgaa acaatgcaca cacatggcct 120
ctatttatag cctaagtgcc acacaaaatt ggagggaata ttgaatttca attcaaactct 180
cacttgaata tgaaattgaa tntgtggagc caaaatttcg ctaactatga ttagtgaatt 240
ttag 244

<210> 5887
<211> 356
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 5887

tacatcttaa tatgtattat tacattntat taattcattt taaatgcatn taaatgtttc 60
atattattatt attatgtaag gtaataaatg tcttattatt tattccctcc tccttcaaag 120
caaagaacaa tgttnttcat taacaacaag attcaaactc attaaactat tcttatcaat 180
taaactaact ctgttgatgt caaatgattc attctataat tcttaatgta tcttctatca 240
tacttttaag ataatatcta ctcataggtt tgttttgata atatatattc tcattaattc 300
acttggttg ttcgttattt tctatgccac ctacatttac tcgattgtgc atatat 356

<210> 5888

<211> 266

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 5888

agctntacta gacttatttc ggcttgagtt gaatacccaa gacttgagtt tggcttatta 60
cctatantgt ttttgtaaag tctcgacttg tcttacatga tagcctagct tagcctacaa 120
gcctatatag aagctcgctt aaaggctctt gatcaattaa ttattttaaa acctaataa 180
atactaatta anaaaaaaag aaacttatta aatttcatat aagtaatgta caaattgaaa 240
aataattgat aaacaaaatc atattg 266

<210> 5889

<211> 165

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 5889

acttgaatct cgaatgaatc atagcgaaga aagaactcca caacgaaaag cctcgaaacc 60
aatgtgacga agtctntttc ggcgcaattgc ttgttcccat gtgttgagga ctgagtctca 120
ggcccattgg accacatcac gtgcttgagg agctactacc acttc 165

<210> 5890

<211> 451

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 5890

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tgatgtaagt ccatgtggag cttgtaggcc tntgattttc ttcataatg gagttctttg 120
cttcttgaag atcatggcaa caaaatggag dtggaaatca tcgaagcaga atcgaaatgg 180
aagaaagatg attggagacg ctacttcaaa gggaagatga gtcaagtaca agttcactac 240
cataggaagc catggataag agcttgaata agaagaagat gaggggaggg agaaggacca 300
cgaaattttg tgcatacaat gaggtctgaa ctttgaagta attctcanat gataaaagtt 360
gaaaaatgca catacatgac ctctatttat agcctaagtg tcacacanaa ttggagggaa 420
gattgaatnt ctattcanat ctcaattgaa t 451

<210> 5891
<211> 341
<212> DNA
<213> Glycine max

<400> 5891

tggagaacgc atgaacgaaa atgcaattca tgggtgctccg aataaggggt gaggatggag 60
aatcgacta agaaatcact acgcatggct ccaaactcgt ggggtggagga cgcatgaacg 120
aaaacgcaat tcatggggct ccgaaaaagg gttgaggatg gagaatcaca ctaagcaatc 180
actacgcag gctccaaact cgtgggtgga ggacgcagta acgaaaacgc aattcatggg 240
gctccgacaa aggggttgaga atggagaatt acactaagca atcactacgc atgggtccaa 300
actcgtgggt ggagggcgca tgaacgaaaa cgcaattcat g 341

<210> 5892
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5892

gcttcaagat caagatctaa gattcaagat tcaagaatca agagaagact taatcaagat 60
aagtatgaaa aggttttttc aaaaactgag tagcacatgg ttttttctca aaacatgttt 120
accaaagagt ttttactctc tggtaatcga ttaccaaatt gttgtaatcg attaccaata 180

gcaaaaagga tttgaaaag ttttcaaag aatttccaac gttccaattg attgcaaaaa 240
 gttgtaatcg attataatgt ttttggtaat cgattaccag tgcctttgaa cgttgaaatt 300
 caaattcaaa agtgaagagt cacatccttt cacataaaag ctttgtgtaa tcgattacac 360
 tgatntggta atcgattacc agtgattggt tctgaataaa tcacaagatg taactct 417

<210> 5893
 <211> 502
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 5893

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 ccatcctccc tccagataat gagtttctgg tggagagtag atggcacagc cccaactcca 120
 tggatccatt ccttcctaa tagcaagtta aaattagcct tggactgtat caccaggaat 180
 aaagttggtc gaactatact gcctacagca acatctactt gaatggctcc caaagaatag 240
 ccagttttac cctcataatt cgaaagcaca atgttggtggg cagatagatc agtgtcatgt 300
 ttcccgatct tgtagagcat agatcgaggc attaagttaa cagccgctcc tccatctatg 360
 agcactntgt tgattccaac attctcaact tttgcctga tgaanagagg tttgagatga 420
 cttntcatcc gaanatctgg cttttcgaaa tagggctaag ggtcttccac acagccattg 480
 gtcataacat agtagcacac tg 502

<210> 5894
 <211> 400
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 5894

ttaaacttca actntgtgcg tctcgatata ttattggact caatcagaca tccgagataa 60
 aagttattgt cgtctgaatt ggcttaaagc ttaaacttc aactttgagc gtctcgatat 120
 attacgggac tcaatcagac atccgagtaa aaagttattg ctctgtgaat tggctcagag 180
 gttcaacatt ctatttcgag cgtctcgata tatcacggga ctcgatcaga catcctagta 240
 aaaagttata gtcgggtgaa ttgtcacac gtcaacttc aatatttagc gtctcgaata 300

ttataggact caatcgcac ttcgagtaaa cagttattga ctgttaaatt ggcgcatagg 360
gtcatcattc aatttcgagc gcctcgatat attacaggac 400

<210> 5895
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5895

ctaagcttac anaattctta ttcaatgcaa ttccagcctt tgcatacataa atacttgatc 60
tagaacaata atttaaaaaa aaggttaaca gaccaatcac taacaagaaa atgaataatg 120
tcaagttgtc aacttaaaaaa aggcaattgt gttcaataac ttacagctg ttaacataat 180
ttatacctgt tatcaccaac aaagtcgggtg gagaccacat catcttcagt gtaaccaaga 240
attcccttca acttgccctc tgattcctcc ctgagaaaga caacattata taagacaata 300
caattgagaa ggaccaatcc caaatggag gcctttatta ataacaagta atgaaaattt 360
gctttaagac ccaataatac acaacatata tcattagagg agaatanag aattctgtca 420
ttacttgatn agcattttaa tttcatcata t 451

<210> 5896
<211> 469
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5896

agcttgatgaa aatacaattc aacccttcaa cccctttctt gtagtanttt tgcacttca 60
catgtaacat attctccata cttgtaaaga tcttttttat aaaagattta aatgattta 120
atcatttaac ctttaaagat ttgaataaaa aacaagaatt tgagagtttc aattagaagg 180
aaagtaagga aataactata ataattaaga aattatactc acataaccta ttattaaaaa 240
cctaacatga cattgataat aatagtgtta taattaaacc ataaattatc tataaggat 300
ggaataactt aatcatttca catggttntt aatctctcat ttaggttatt aaaatttctt 360
gatggattag ttagagaaagg tctaggttcg ataggtgtga ttaaggattg agtttagggg 420
taatttaagc ccacctaaca naaaaaagat gggggataga taaatcaag 469

<210> 5897
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5897

ggtgttgctt atgtcttggc atcatcaaaa ccttttacac atacattcac acaaatcatt 60
 ggccaaacac ttgtgaatca attgagtatt cttctaagat cttcaatgat gcaagcctac 120
 cccccaaggg cattggatag aagactccaa gaagattgga ccagagatgc aagagaaggc 180
 cctanggttc tcatgagcct tagggtagat ttcaggccca tgggctaagt atgaactcac 240
 ttatctttgt acgcattaga ttaaggtttc attatctttg ggccttgtat atagggctcc 300
 ataatgtaga taaggtagcc tagaaatgta ggatttttca gcctttgtat tttatggcac 360
 ctagactagt tcttgtatta ggggtagttt tgaatttcac atg 403

<210> 5898
 <211> 472
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5898

agcttcgata ttcaacttca gtgctggacc atgccatgac tntctgcttc ctggaccacc 60
 aggatatcaa gtttgagcca agaaagatag ctgctcttga tgtggaacgt ctgtcatcaa 120
 tatctgatgc ccaatcagca tcatagaaag catagagtgc catatgtttt gaaacagaag 180
 cagggtgaag gaataaacca tgaaatatag tacccttgag atatcttaat atccttttga 240
 ccacaacca atgagaatcc aatggattag ccatatactg acaaacctta ttaacaacat 300
 aactaatctc aggtctagta agggtagcat actgcagggc acccactact gacctataga 360
 gagttggatc atgaaataaa tcagctccat gtttgacaa tntacagttt gtaaccatag 420
 gagtagagat agagtgtgcc tcagccattt tgagtttatg aagtagatct ct 472

<210> 5899
 <211> 403
 <212> DNA
 <213> Glycine max

<400> 5899

tcagcttcta atacaataat gtcagaatgc aatgctacag aaacatatgg aacttcgtta 60
agttcaacta gacaaggcat tttatatatt aagaactaac tagtcaaatt gttccaaaaa 120
atgaagtgga thtagaaaaag aatgcatcaa taactttaag ttctaggagc tataccttcc 180
caagtaaatt ggagtgccaa ggaaaatttg ggacagaatg acagaaaacc caggttgaag 240
tg gatagtaa agggcaacca aagttggccc caagatctta ttgctccata taaggagtcc 300
atagtttagg gcagatgtaa tacttccctg aacaaataag ggaatttgct ttgtgaaaaa 360
tctaaatggt tataaatcca tcaaaatcac ccgttagaag atg 403

<210> 5900

<211> 387

<212> DNA

<213> Glycine max

<400> 5900

agcttgcaag agcgcggccc atagaatccc ttgtacgatt tcttattcga cgacgaggat 60
gatggaggcg gcttgctggt ctacaaagat ggctcgcttg gcggtctaagt gagcgaactt 120
ggagtaaggg caggcgtcgt tcaaggcttt gcaagagagt gttaactcct catcccaagt 180
gctattatgg cccttctctt ctctgcggga gagggcctgc cagaagtaaa agcccactcg 240
ctgagtgggg tttccgagct gggaaacgga ttctcgcaaa cggcttaggg attccgcggc 300
ctgatccggc tccgttgag ccagagaggc gcactccgcc agagctttga ggaggggatg 360
tacggaggag tccgagccgg agtccac 387

<210> 5901

<211> 439

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 5901

agctngaaca ccaggtgagg taatatccac ctgtgatgat aaatagagaa tgggaaacac 60
gatttaggtg gatgaaagac attacagtct taattaaaaa caaggtggat aaataaagag 120
aaggagaata ttcgaagcca ggtcatgagt agtacatctg gcagatctga agcaatcaag 180
tactcattaa ttgttgttgt gttttcatat atcttgtcag taattccctc tgggtgcaggt 240

ccaccgtttt ccatattata tttaatccca aaatcctgca acaaggaaac caaatgacag 300
 ttacaatcat tcatagttaa tcttacaacc cacaatgtct cagcataata tcataagggga 360
 acacccatca actcctacat gtatgttatg gaaatttcac cttactaact taatattatg 420
 tcttggtgat atctgagag 439

<210> 5902
 <211> 471
 <212> DNA
 <213> Glycine max

<400> 5902

agctgagcac atggacttgt gtgttgccca gtttcatcat atcttccgta atacttatca 60
 cttctatcat atctaataat tttcacattt atgtctaatt gccattttac ttcattgtag 120
 taaatttcta aggcattccat tgcctaagaa atctcgggca gtaagtagac ataaccgtaa 180
 tgtgaataat catcaataat ggtgataaaa tatcattctt ttccgaaaga actaacatca 240
 aaaggccac acatatcagt atgcacaatt tcaagaagct gagtgcttct tggagctcct 300
 ttctttgtat gttttgcttg ttttccctca atacaatcca cacaaatatt tagatccgta 360
 aaatctagat aatgaagaat tcattcttta ttaatctttc catcctttct ctaagaatgt 420
 gacctaaacg tttatgccac aagagaacag atcggttcatt cactaaatta t 471

<210> 5903
 <211> 379
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5903

tggtatctct aactagaggg ttnttgggag tatatctcat gttcatgttc cagacgagag 60
 aagagcataa attgatgcaa aagtgcata ctcatcttca ttggttatga ttcaagctca 120
 aaagggatca agttgtacaa cccatactac aagaagatgg tagtcagtag agatgtgggtg 180
 ttcggcgaag aatgacaatg ggactttgag actcatgaaa attaggggtg ggaataggcc 240
 aggccaggcc aggctttaaa aggcttgagc ctatcctaca atgaattctt taggcctgag 300
 cctgtcctat agcctatcaa agacttttat tttggctcgg cctagcctta ttaaaagcct 360

<210> 5904
 <211> 474
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 5904

agcttcccag ctgatgctct ctagaaaata attttcagaa ttgttctcat tcttatgtga 60
 ccaaagcaca gcttcaaatt tggccacttt agatgtatca cacaatcaaa taaaggggca 120
 actcccagat tggttgaaat cagtaaagca attactgttc cttgatttaa gcagcaataa 180
 attgtcaggg aagattccta tgtccatggg cgcccttgtt aatatggaag ccttggtttt 240
 acgaaacaat ggtttaatgg gtgagttgcc ttcttctntg aagaattgca tcagtttatt 300
 tatgctggac ctgagtgaat atatgttgtc gggccaata ccatcatgga ttggagaaag 360
 atgcagcaat tgataatctt gaacatgcga ggaaatcacc tctcaggaaa tgtacccatt 420
 catctcttgt atttgaaccg tattcaatag ttggatcttt caaggaataa cttg 474

<210> 5905
 <211> 451
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 5905

cttgcattgg atctntacct tccacagcac attaaaagca ctatcctgat tttcatcaat 60
 atgggtccgc atgagcatct tgtacacatt cccactgtg tatacaccag atgcatcttc 120
 cttccaaatc cacttgtctt ctgggtccgg gtgaatgcat caaaaagttg ccttctccat 180
 tgaaaatccc actcccagcc tgcagctgca aaacttccca tctgctatat gtgttgggga 240
 gattcgaggg gtacacctgt ggaccacgag ccaccacata aagagacctg acaccacact 300
 ctaacccaaa accttaaggc tcagggttat gggctctctc ctacttata tgggtgctcaa 360
 ccgttttact tctacccgat gtaggacttc acctcacact tgtaacccaa cacatctctc 420
 cctcaagtgt gagtctcttc acatggtagt c 451

<210> 5906

<211> 501
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5906

tgaaggtagg agaagatgag tggagggaga gggagagaag gaggtagaaa atttgtgcct 60
 canatgaggt ctgaactttg aagtgttaatt ctcaaagatg caaagttgaa aaaatgcaca 120
 cacatggcct ctatttatag cctaagtgcc acacaaaatt ggagggaaat ttgaatttca 180
 attcaaattt cacttgaatt tgaaattgaa tttgtggagc caaaatttca ctaactatga 240
 ttagtgaatt ttagctatgg ctacagccac taatccaaga tcaagtcaca gattctccac 300
 taagggtgct taggtgtcat gagacatgta gagcatgaag gacatgcaca aagtgtgact 360
 atatgatgtg gcaatggngt gtagcaagca aatgctcacc tccccttata anaattaatt 420
 ggattgggct tctcccaatt caattaaatn tatttcccaa cacacacatc anatattcac 480
 ttaatgcgtg tgaaaataca a 501

<210> 5907
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5907

agcttgctnt ntgcaattcc aagacacttg agatcttcca agtatattac atgtcctatt 60
 tgtacttttc tatctaattg gaatcctaca taatcagaat atgaaaaccc tgtaagtgtt 120
 aaggaggtgc ctttgggata ccacaaacct acattgggtg tgcccttaag atacttgata 180
 atccctttaa cagcagttaa gtgagattct ttaggattgg actggtatct tgcacataag 240
 taaatgctta gcatgatatc cgggtctactt gcagttaggt agagaagtga tccaatcata 300
 cctctgtatc ttgattcatc cactgttata cttttctcat ctaagtcaaa gtaggttgat 360
 ctagccaaag gagtagatgt ttctttgcat tttttcgtac canacttctn tatcagttct 420
 atgc 424

<210> 5908
 <211> 392
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 5908

agcttctatg gagaatgtta gtgttatcaa ggctattctt agaagctttg aaatagcttc 60
tggcctgaga atcaattttg ctaagagcca actcggagca attggtcagt ctgaacagtg 120
gatcagatgt gctgctgatt tcttgaactg tggaccacta caacttcctt tntgctacct 180
agggctgctt ataggtgtta atccgagaag gaaggtggtg tgggaaccta ttatcaataa 240
attcgaggct agattgaaca aatggaggca gagaagtata tcaatggctg gtagaatcac 300
cctaactaat gttgtcttaa cagctctgcc cttgttttac atgtctnttn tcagggccccc 360
ttcaggagtg attaacaagc tcactaccat tc 392

<210> 5909

<211> 480

<212> DNA

<213> Glycine max

<400> 5909

agcttggtgc agcggagaat atcacagtga tgcgcccaat aaaaaaaaaa taatgattca 60
aatagaatat ttaagttgaa aagtttcaag cggatgaatat gtattaatta attattattt 120
tattgataga aagagagaga ttaaattaag gtggatctaa aaaataaata ggagagagaa 180
aataatttct ttcaagaaat cataataatt agttagtgat aattagttaa cgaataaata 240
attaataaga cttatcctat ttaaagttcc acatgttaaa aaattcctaa caatatcagg 300
aattaaagtg caaatttact cacacaagag tgatgaactg atgattaaga gaactttctc 360
ccgtatgttg tgcggacata attaatttga atgaaattaa ttaatgtaag tttcctaaaa 420
tttctttaat ttaaaatcaa atctagaatt tataactaat tttcaacata aaactaaata 480

<210> 5910

<211> 436

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 5910

cttctggttt caattggagc gtttcgatat atttctggac tcaatcggac atcttagtaa 60

aacgttattg tcgtagatt ntgctcatag cttctgtttt caatttcgag cgtctcgata 120
tatttcggga cttaatcgga cgttcgagta aaaagttatt gtcgtttgaa tttgctcaga 180
gcttcgaaaa tcaattttga tcgtctcaat ctattacggg actccatctg acatccgagt 240
aaaaagttat ttattgtcgt ttgaatttgc tcagagcttc tgttttcaat ttcgaccatc 300
tcgatataatt acgggacttc atcgaacatt cgagtaaaaa gttattgttg gttgaatttt 360
ctcagagctt ctggtttcaa tttcgagggt ctcgatatat tacgggactc cattggacat 420
tcgaggtaaa attatt 436

<210> 5911
<211> 364
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 5911

ntaacctcat tgtctctcat agtctntaga tgtgggagcc aatccaatcc ttgtgttcgg 60
actctcagcc acttatgata gccgccaatg atcccattac tgcttcccct aagctctctg 120
tcctttcttc atgccgcac ccatgccttg cgaactcctt ggagtaccct cgcgttgttg 180
tcactaaaat ctcgtgcgat gaaaggcgtg attgatgcaa gctccattgg agcttgtagg 240
cctaggatct tcttcaccaa tggattcctt tgcttcttgg aagataaatg gcagcggaat 300
ggagaaggaa gagagagagg agacgccact tcaaggagaa gatgagtcta gaagaagctc 360
acca 364

<210> 5912
<211> 476
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 5912

agcttattca acaatggcaa atcacataac aaatttttaa gaaactcggc ctactagta 60
gttgtgtcta aagcaataat tggtgcttcc atgctagaat gcgaaataat agtttgttca 120
gtagatttcc atgatactgc accaccaact aaagtaaaga caaccacttg tcgattttgt 180
ttcattagaa tcagaaatcc aatttgcac actaaacccc tcaattacat cctaactctac 240

caactgcata tgcaatgtca gaccagaga agtttgtcaa atgcaacaaa gaaccaataa 300
 tttgaggata tttatgtgaa aaaattcctt tactcaaact tttctttaac ttaatggatg 360
 agtcataaga agtagaaaca tgtttcacat caaaataatt aaacttcttc aatagctttt 420
 caacataatg tgattgggtt aaaaccatgt tatcattntt ctttataagc ttaata 476

<210> 5913
 <211> 458
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 5913

agcttgggtg gtttgaaagt gtcatgaata anattattaa agttagtatt attctttaat 60
 caaattgatg tttctcctcc ataattcatg taataaaaat tggattataa aattctatat 120
 atgaatcgaa ttgtttagt tcagttgaca acaacacaca ataaatttat ggaagaggat 180
 gatttgagtt tgattttcac ataatacatg tgattaagtt ccagatcaag gattagtccc 240
 ataatcgacc caaacaccct aagtacaatt gttaaaaaaa aattagtata tattaggaga 300
 gtaaaatddd aatttggatt gaaaattaac acacaaatta cttatdddttg gtaaagaata 360
 aaatctgata gaattattat aaatgatgaa gttttctddd ttaaaccattc ataactgatt 420
 cattatgctg aaatcatata ttaccattaa aaaagtag 458

<210> 5914
 <211> 437
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 5914

agctngtaag acaagaaagt gcatctgaga tattatatgc cctaccactg attgagtaag 60
 cctgaagatg gcacatttgt ggagcaagat ttcgttatta aaggacaatt aggtcttgcc 120
 atacaataga tttgacccat caggcctgtt tgaaattatt taacttactg caatgaatcc 180
 tagcttggtg aataattctt caccgactca tcccatatgg agaaaagtag cttatgggtg 240
 tatgcaacct gtttatgatg acaatcatac agatgaatct ttccttgaag gaatggatcat 300
 gaatgccagt gtttgtaaac gggacatgct aaaggatgat ctggactcgg tttccatgct 360

tgaatattta tgcattgttg ctcttgttga cttggtctgg acttgacact tgcacaaact 420
attgatatat atctctc 437

<210> 5915
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5915

tccactcatt agtgcacatc tccttcaaga atntagcata tcttgaatt ntctttattt 60
catccagcag aggtatgttt acctctactt ttctaaatgt ttccaagatc tccctctccg 120
cctcttccat tnttttgttg gaaattgctc ttggagggaa tggaagaggg atatgatact 180
tttgtaaadc agaattacca gtggaagatt cacctgcata gaaattgtta ggtaacttac 240
tcttttaaatt tttgtcatca tctttttctg gagtagagtg aggttgggca gggtcatttg 300
cggatgagga agatgctact agttgaggtc cttgacactg ctttcccaac ctcaatgtaa 360
tggcactcac anttttggga ttctggacag atngaaaaaa gtaatctatc agaattctgg 420
gact 424

<210> 5916
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5916

gctcctgnt tagcttttac ccgatttact caactcattt gaagttgaat gtgatgctag 60
tgagattggc attgnggctg ttttgatata aaacaaaagg cctatagctt atttctcgga 120
gaaattggga ggagccagat tgaactattg cacctatgac aaagagttct atgccattgt 180
gagagctctt gatcattgga atcattantt gcgttctaact cactttatat tgcattcaga 240
tcatgagtca ttgaagtata tcaatgggca gcagaagttg agtccaaggc atgctaaatg 300
ggttgaattt cttcaatctt ttaatntctc ttcaaaatac aaggatggta agagtaatgt 360
ggtggctgat gcactttcaa aganggatgc tttaatttca attctttgaa actcg 415

<210> 5917

<211> 474
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5917

agcttctggt gggacatctt gacttgcttt ccaatctgac attcaccaca gattctgcct 60
 tcttctatctt tcagattggg gatgcctcta acagcacctt tgtcaatgat tttcttcatg 120
 cctcttaagt gcagatgtcc aaatctttga tgccatattc tgacttcac tttcttggag 180
 gatagacatg tggaggagta gctggtttct tgagggtgcc ataggtagca gttgtccttt 240
 gatctgctgc ccttcattag aacttcactc ttctcatttg tcaccaagca ttatgactnt 300
 gtgaagtnta cattgaatcc ttcacacac agctgactga tgctgatcaa gtttgcagtc 360
 agtcccttca ccagcagtac tttgttcaga ctangaagtc catcatgaac tagctntccc 420
 attccaatga tctttccttt agagccatct ccaaagtca cataactagt ggag 474

<210> 5918
 <211> 447
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5918

ggtagcatag tctgatgggg tggagttcac agtcagagag tgtagtgcc ttcaaacttc 60
 gtagcagat atttattgtt ttcttttgct gagtatctga agtaaatgtt ttatccatgg 120
 caggtcatta ttgtcctgca ttgtcaaaag ctgttaaaac catgaagaag ggagagaaag 180
 tgcttctgac agttaagcca caatgtaagc gccgcataat gttttggcga ttagctatta 240
 ctaacattct tcatgaaagt ttctttctcg tttctctaatt ttggagttat gttcgtttct 300
 ttgtcgggtc atagatggat ntggtgagaa ggggaagcca caacaagggtg atgaagggtgc 360
 agttccacca tatgcaacat tgcagattac tcttgaatta tgttcatgga caactgttct 420
 tgaagttact gatgacaaga aggtcat 447

<210> 5919
 <211> 470
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 5919

agctntgacg tgtcgggacg gtatcgagtt gacttggat atccaagtcg tacaaggaca 60
ttcctgtgtg acaaaaacaa ttgaaccgag atatttgcg ctntctcttc tcttctctg 120
atgacgagtc agaattcggg gacgagttgc aacttgatga gtttgacttt agcttttagct 180
tcttcgagag atcaaaatcc acaagcatta tgtgacctgt ttcttggatc atgatgttct 240
ctggcctttaa atccctatac actactccaa agttgtgcaa atactccaat gctagaacca 300
attccactgc gtaaaacctt caccatggaa aataaaaaat tgtatcanat catcataatc 360
attcatactt caccgntctt gagagtggag aaaatggact aaattcggtc tatttggcac 420
atacaaatca tataaaanaa ataatacacac ataaatacct ataataacac 470

<210> 5920
<211> 477
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5920

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tctttgctaa aggaaacatc aagtccacta tcacataatt gacttatgct aagcaaatta 120
tgtttaagcc ctttaacaaa aagtacatta tcaatgggag gatagggatc aatacttatt 180
tttctactc ttgctatctt tcccttctaa tttcttcga aagtgactat tccaccatgc 240
ataggagtca agcattgaac atatactttt ctgatgtcct gtgacgtaag caaccactat 300
ccaggtacca tgattgatgt gttctttttg tgggtgaata tatctgcaac ataaattatt 360
ttctaattag gtacccaaat tttcttaagt cctctgttgt tagttcttaa agcattggac 420
gatccagtct ttggtagatg tctacactta gatgtcaggt gtccaacctt tccacat 477

<210> 5921
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5921

agctntgtgt tttctcacag ataggacatg catgatgcc tttcacactg tatccactta 60

aatttccata tgctggaaaa tcattaatag tacaaaacac cattgtgcgt aacctgaacg 120
 tctgctgcac atttgcaccc cacacatcta ccccttcttc ccacaattgt ttcaagtctt 180
 cgattaatgg tgtaagatac acatcaatat cattccctgg ctgccttgga cccgcgatca 240
 tcatacacag gataatgtat ttacgcaaaa tgcacaacca tgggggaagg ttgtaaatca 300
 tcagtaaaac aggccaggaa ctgtggttgc tacttaagct accataagga ttcatccat 360
 cagaagcaag agcaagcctt atgttccttg gtcaccccc aaactctgga taca 414

<210> 5922
 <211> 389
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 5922

tgatgcacca ataccctgat gaggatgtcc catatgttct taanactgga ctgattcatt 60
 tgcttccaaa gtttcatggc ctgacaggtg aagaccgca caaacatttg aaggaatttc 120
 gtattgtctg ctccaccatg aaacccccag atgtccaaga ggaccacata tttctgaagg 180
 ctttccctca tttnttagaa agagtggcaa aggactggct gtattacctt gctccaagg 240
 ccatcacgag ctgggataac ctgaagagag tattcttaga aaaattttcc ctgcttccag 300
 gaccacagcc atcaggaagg atatctcang tattagacaa ctgagtggag agagcctgtg 360
 tgaatactgg gagagaatta aatactatg 389

<210> 5923
 <211> 464
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 5923

anngcttgat ttcaaattctt ttttcatnt gaatcaaatt ggctagttaa cgaaaaactt 60
 tgaaagcatt tttttcaagt ataataacaa ggtccatgta aatcttgaat agtcatccat 120
 aattactaag gcataatagt cccctcctat gctcatagtt ctagaaggac caaacaagtc 180
 taaattcaag agttcaagt gtatagaggt tgaaatcatg tttttagatt taagacctct 240
 tagaatttcc actaaagaat caagtacaaa cactatgcac atacaattcc ctaattctac 300

tcttcccttg aaccctacaa gaggaagaac aagagttgaa acccaatcaa ctcacacaaa 360
cccttggttaa ctctaaccaa gatcaaaaac aagaaagaaa tcagaattgg attgaatgca 420
cctttatgtg tagatcaaca ttttcaagct ctttgataaa tgac 464

<210> 5924
<211> 481
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5924

agctntattg gcatgcgacc aacttcctta tgaagtaagt aaaaagttga aatctacttt 60
aaaatcattg cttaatcagg atatttatac ttcattgcct cttatgaaat tttaagtatg 120
atatttcaaa tacaagaaaa ttcagcatgt ctttctcata tttaatgtag tatatatatc 180
aaagtagaaa agttgcatgc atgcctcatt gggcattggt ttacatgcat agaaaacaac 240
aacaacattt gttttattca tatttagttn taattgaatt tgtcacatat aaacaatgaa 300
atataacttt aattntaata ttatatattt agttaataaa ataactttat taaatatttg 360
atgatcccca ttagaataat ttattaataa tttaagttnt tatatnggat gtgttaggga 420
caaaataaca caagaaattg ttgtaattgc anaannaaaa aatatgatat gatataattat 480
t 481

<210> 5925
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5925

agtttaataa ttcattattg ttgtcactta ctccttctgt taaggattag ttttctctca 60
tgttggacaa gtggcctcaa taacttaaga aggggtgaat taatttccca ttaacaaagt 120
tttaaccccc ttctaaatga tagactcaga atgcagaaga agaagcagca atcaattgaa 180
taatattctt taaacatgca agacaaaatt gattgcaata aaatataaga gataagggaa 240
gagagaaatg caaactcgat ttatactggg ttggccactc cccatgccta cgtccagtcc 300
tcaagcaacc cacttgagat ttccactctc tntgaaaact ctnttacaaa gtctgaacca 360

cacgggacaa cccttcctt

380

<210> 5926
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5926

gtgacctata aatctcagct tcttagaagg ttcgttccta atttctctac aattgcatct 60
tctctcaatg agctggtgaa gaagaatgtg gcatttacct gnggtgaaaa acaagagcaa 120
gtctttgctt tgctcanaga aaagcttact aaggcacctg ttctagctct tcttgactnt 180
tctaaaactt ttgagctaga atgtgatgcc tctggagtgg gagttggagc tgtattgtta 240
caaggtgggc accctattgc ttattttagt gaaaaacttc atagtgccac cctcaactac 300
cccacctatg ataaagagct ntatgcctta ataagagccc tccaaacttg ggaacattac 360
cttgtttcca aggaattngt cattcatagt gatcatcaat cacttaagta ca 412

<210> 5927
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5927

ctgcagctgg acttntatgt ttgngaacct ctcttcctc aggtgtaccc aaaccaatc 60
acctggttca agcacgactt tctttctgct tttgttggtt ntccttgcatt agcttgcatt 120
tttgttttca abttgagcct tcaattgctt atgcaacttc ttcacatact tagcttttagc 180
ctctgcgtcc ttatgcttaa acatagcaat gttagtcata ggcaacaaat caagaggtgt 240
caaaggatta aatccatata ctatctcaaa tgggtgaacaa ttagttgtgc tatggacagc 300
ccgattatag gcaaaactaaa catgaggcaa acatgcttcc caagatttaa gattnttctt 360
taaaatagtc ctaagtagta tgcttaaagt cctattgact acctcagttt gaccatcagt 420
ntgtgggtga caagtagtag aaaacaacaa tntagtagca atcttaccct tcaag 475

<210> 5928
<211> 446

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 5928

agctngtaga acaccccan a ggataatctg ttgttgatgc aaagtgggtg ttaagaaaca 60
 agctggaaga aataggtaag gatgtgagga acaagcctag gcttgtggcc aaaggttact 120
 cacaacagga aggtatagat tatactaaaa cttttgctct tgttgctcat ctaagggcga 180
 tactcatttt actatccttt gctactcatc atggatgat gttgatcaa atggatgtaa 240
 actgtgtgtt cctcaatgga cttatcaagg aagaagtcta tgtgaaacaa cccctgcgt 300
 ttgagagttc tatctatcct catcatgttt tcaaacttaa taaagctntg tgtggtttaa 360
 agcaagcttc ttgagctcgg tatgaaaagt taagttcgtt ttaattgaa aatggcttta 420
 taagaggaaa ggtaaatact atgcta 446

<210> 5929
 <211> 438
 <212> DNA
 <213> Glycine max
 <400> 5929

tccttgagaa aattcctaaa gaagctagag cttagctaca cacacctctc taatagctaa 60
 gctcacctcc ttgagatgag aagctagagc ttagctacac acccctata atagctaagc 120
 tcacccccat gacaaaatac atgaaaatac aaaaaagtcc ctactacaaa gactactcaa 180
 aatgcctcga aatacaaggc taaaacccta tactactaga atggccgaaa tacaaggcct 240
 aaacaaaggt aaaatctatt ctaatatatta caaagataag caggctcata ctagcccat 300
 gggctcgaaa tctaccttaa ggctcatgag aaccctaggg ccttccttg gatctctggc 360
 ccaatctact tggagtcttc tatccaatgc ccttgcgga tatgattgta tcattcctcc 420
 ctcttctca ttctctct 438

<210> 5930
 <211> 462
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 5930

ctcagcttaa catcagacca cttcaggggtg ctggaactac ttcatatgga cttgatgggg 60
cctatgcaag ttgaaagcct tggaggaaag aggtatgcct atgttggtgt ggatgatttc 120
tccagattta cctgggtcaa ctttatcaga gagaaatcag acacctttga agtattcaaa 180
gagttgagtc taagacttca aagagaaaaa gactgtgtca tcaagagaat taggagtgac 240
catggcagag agnttgaaaa cagcaagttt actgaattct gcacatctga aggcatcact 300
catgagttct ctgcagccat tacaccacaa caaaatggca tagttgaaag gaanaacatg 360
actnntgcag aagctgctan ggtcatgctt catgccaaag aacttcctta taatctctgg 420
gctgaagcca tgaacacagc atgctatatn cacaacagag tc 462

<210> 5931
<211> 451
<212> DNA
<213> Glycine max
<400> 5931

tcactccatc actctccttg atatttaatt cctgtagtaa tgtgttcaac cagacagctt 60
gacaaacact cattgcagct gcaccatata tgaatatgta acctgttgta ctctttctgt 120
catctctgtc tcttcccaa tctgcatcaa tatatcccat taattcctct gagatgctat 180
tgtctttatt tggaaataaa attccagcat tgatgggtccc ttttatgaac cttagaatcc 240
tcttggcagc tacgagatga ggaattctgg gtccatctgt atatctactt accagtccaa 300
cagcaaattc catatcacgt ctgcaatgac acaagtacct gagagaacca acaatctgtg 360
tgaactcagt tgcacgact ttgtcttctt ttcctctctg ttcaagtaca agacctgcct 420
ccgctgggtg tgctgcttga atacattcaa c 451

<210> 5932
<211> 442
<212> DNA
<213> Glycine max
<400> 5932

tagaaactga attgcgtctc cataattacc aaatcggaca cttgattctg aaataatgtg 60
tgatgcaagt gattatgcac tacgagcagt ttttgggtcaa aggaaaaata aaattgttca 120
tgtcatacac tatgcaagta aggtttttaa tgaatctcaa attaacaatg ccacaattga 180

gaaagaatth cttgaagtag tgtatgctta ggaaaactth agatthttatt tgataggatc 240
 taaagttgtg gtttttactg atcatgctgc tataagatat atgttggtta aagctgattg 300
 tgaaccccg a cttatctgtt ggatthttatt gttgcaggaa tttgatttgg acatthtagga 360
 tgacaatgga agtgaatata ctgtggctga tcatctttct aggctaacta ttgatgatgt 420
 gacttcacaa tgacctata tt 442

<210> 5933
 <211> 295
 <212> DNA
 <213> Glycine max

<400> 5933

atgaggtcat ttcttcattc atcttcgaag agaaagtcga ggatctctgt atattccata 60
 aggtctttgg gagtaagatt agtgtccttg gattatacgt tgatgatatt ctgctcgcaa 120
 cttatgataa tggatgcta tttgaggtga aacaatttct ctgcaataac tctgctatga 180
 aggatatggg agaggcatct tatgtcatag gcatcaagat ccatttatag agatctcgag 240
 gaatgctatg cttgtctcaa gaaacctatt tcaccaagtt ttagagagag ttaca 295

<210> 5934
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5934

tgtgccgaaa cactctaggg tggggtgcta tgtatgcat tttggctnta gntcagtgat 60
 agaagcaatg ttcaatgact gccaaactggg gctgttgccct ttcaaggggtg accagttttt 120
 catggccaag gatttggagg caagggtaga ggtgaataag ggtgatgaag atgggttctt 180
 tcacaaagag gatataattg aggcattgaa aactatcatt gtgaaggata gcaaagaacc 240
 agggaaagcac acaagagaaa accacatgaa atgggtgcaag tttttgtcaa ataaggaaat 300
 tcagaacana ttcatcacag gtcttctgctgc ccagttgaag tccatggctt agctaggatt 360
 cggatttctt ggactagaag ctattattta aaatctaaat cttcacattt tcttagtgtg 420
 actcttaatt ccgatgggaa 440

<210> 5935
 <211> 356
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5935

agcttgccctg cagccaacat aaaaccaaag attgctataa gacaatttag aataacaaat 60
 ttaactaacc aaccatatta tataattcca caagtaataa tcaactgcta tctaaacaca 120
 tactctntgg gatgctgggc cattgctcga acagattttt tatggtttgt aagagttgac 180
 attgttttac ctgaatgaaa atgattgcat catgtgtcag attgagcata taatcactac 240
 acagacaagc aagaagatag gaaaaaataa aaccataaat taccatatct aagggtcccac 300
 atcttgatgg tagtgtcatg agaaacctgt acaactaggg gatcctgtaa caaaat 356

<210> 5936
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5936

agcttgtaat cgattacaca tatactgtaa ttattacca gagcagattt tcagaaaata 60
 ttctcaacag tcacatcttt ttatgtggtt cttgaatggc tatcaaaggc ctatatatat 120
 gtgacttgag acaggaattt gctaagagtt tttcagaaca aaaaggctctt atcctcttat 180
 aaagcaaaat cgttttatcc tcttacaaat tccttggcca aattacttgt gattcaataa 240
 ggaattatth gagtgetcaa attgttcaat ctatctcttt caagagagat ttcttctttt 300
 cttcttcttc attttgaaaa gggattaaga gaccgagggt ctcttgttgt gaaagaattc 360
 taaacacana ggagggttgt ccttgtgtgt ttagaacttg taaaaggga ttacaagata 420
 gtggaactct caagcgtg 438

<210> 5937
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5937

cgtanggtta aagtctcaca attgtcacgt gctcatgcaa tatattgttt agccgggcta 60
 tacgagacat cttgctaaac aaagtcaggt tcacgataac tcgcatgtga tttttcttcc 120
 atgctatatg tagcaaagtg attgatccag taatgtttga tgagttggaa aatgatgcca 180
 caattatact ctgccaattg gagatgtatt ttccccatgc tttctttgac atcatgattc 240
 acttgattgc gcatctgggc agagaaatca aatgtngtgg tcctgtttat ctacggtgga 300
 tgtacccggt tgagcgatac atgaagatct taatagggtg tacaaagaat ctatatcgtc 360
 tggaagcatc tattggtgag aggtacattg cagaagaagc catagaa 407

<210> 5938
 <211> 328
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 5938

agctntaaca atctccttca catgcattgc tttcaacctg tgatactctt gtgtctccct 60
 cgatcccatc atttgctcct gtagcaaaac gaagctcgtg ttgagctcta gttgcaacaa 120
 caaccctaaa cacgttgctg ggagaaccac cataacttcc acgctattga acaccacac 180
 aaccctatth gcctccatat tcgccatcga gtaccacttc ccccttccct tacaatactc 240
 cacgtcgggc gacgacacct catctgtggc ccgcctcgtc caccgccagt tcagcaccat 300
 cacggagatc gaggagggtg gcaccacg 328

<210> 5939
 <211> 249
 <212> DNA
 <213> Glycine max
 <400> 5939

agcttttatt tgtcatcctt tcttccatgt ttgcaagcat tggcaatttc aagaatgttc 60
 atgtggaagt catgaatgca ttcttctctc ttcattctca gattttcgaa tttttagacc 120
 aatagttgca atctggacat cttcactttg gaggttcctt catgagtggg tttcataatc 180
 tcccatgcat ccttggcaac tgtgcatgtg ttgatcaatc tgaagatatt cttgtcaact 240
 ccattgaat 249

<210> 5940
 <211> 236
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5940

nggttcaact gagtagccat ctgccccatc taatnngnct ttctcttaat gtatgctctc 60
 gtctcttgct gaaattgcat attctggatg gtcatttgcc tcactaactc ctctaaggaa 120
 gggttgagaag gggcctgact tgcttggtgt ctttgctgct attgctgcat tggatgagga 180
 acatatggcc tgcttatact agcaacattc tagaaatgag ggacaaattg ttgttg 236

<210> 5941
 <211> 251
 <212> DNA
 <213> Glycine max

<400> 5941

cgtctcgata tatatgcgctc tttatctttt atccggagta aagggtatga cctcttgaat 60
 atctcgagag cttccgatga tcaatttcga gcggttcaat atattatgcg cctgcagcgg 120
 acctatgtgt ggaaagtat gaccattgga atgtcccccac agctctctgt gttcagtttc 180
 taagtccctca atatataatg cgctgagtc tgacattcta cgtgtaaagt catgatccat 240
 tctaattgct c 251

<210> 5942
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5942

ctaagctcca ttgtcaattc gagcgtctcn gaanttatgt gcctgtttgt gacccccagn 60
 aaatgcatga ccattcgaat atctcgagag cattcggtgc tcaattatcg agcgtctcta 120
 tatgtgatgc gcccgaaatcg gacctatgag tgaaatataa tgaccatttg attttcttaa 180
 gagcattcgt tgttcaattt ccagcagcta gatattttat gacgctgaat cggaccttcg 240
 agtgaaaatt attgaccatt tgaatttcgt aagagctttc gttgttcaat tccggcgtct 300

ctttttatat gcgcctgaac cggaccttcg attaaaagta tgaccatttg attattcgcg 360
agagcttctt tgtgtaattc aagcgtcttt atattgatgc cc 402

<210> 5943
<211> 407
<212> DNA
<213> Glycine max

<400> 5943

ctcatagcat cacgagcctc tccataaaag aactccattt tacctatggt tgtgaaaacc 60
tctgcagctc ctataaggaa gtactgaggc acttgccata agattgacaa gggaacgggt 120
tcaagatcat agttgtttgt ttttctgata atatcaaggc gaacaacctc taatatgcca 180
gctacaatca tggagattat ggagattaca aggccgatgc ctatgcgttg aagctgtgtg 240
aatccttggt catggccaat gaactttctt gctaattggga caatcatgct atcatacact 300
ggggccctaa agatgacact aagggtgtct aacagggaga gggatgctgc tggaatttaa 360
attgttgacc aatgtgtggt ccatttggtg ctctgtgaca caacatg 407

<210> 5944
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5944

agcttcaaga accaaaaata aaattattat gttattagga aattatttca aaaataaaaa 60
tctattagaa aaaaaataaa atttaaatat ttattaaaga taaaaatata tttaaactt 120
taaaatattc ttactaaaaa gaacacttgg ctagtaatac tcgagtaaca aagaaagtta 180
tgatatgggt atttagtaat tataactatc ttgtaaacad tacttaaatt ttntaataat 240
ttatatacag gactntaatt ttttttgtca aaataataac atttattttg aaaacatatt 300
catatgtata acatattata tggctgggtga atataggata tacatttttt aaaaaaatat 360
gtataaacia tgataatata ctccatttga anatacttgt aataaatata 410

<210> 5945
<211> 401
<212> DNA
<213> Glycine max

<400> 5945

agcttgtaat tgattacaca catactgtaa tctattacca gaggattttt tctgattaca 60
ttctcaacag tcacatcttt ttatctgatt cttaaagggc catcaaaggc ttatatatat 120
gtgacttgag acacgaattt tacaagattt tttaagaaca aaaagggtctt atcctcttaa 180
aaagcaaaat cgttttatcc tcttaciaat tccttggcca atacacttgt gattcaataa 240
ggaattattt gagtgtcaa attgttcaat ctatctctct caagagagat atcttcttct 300
cttcttcttt attctgaaaa gggattaata gaccgacggc ctgttggtgt gaaagaattc 360
tatacacaaa tgaatgattg tccttgtgtg ttataaactt g 401

<210> 5946

<211> 426

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 5946

ggacacttaa aactaagctg tctctaattc tatgaattag tcaccttctt cctttgtggt 60
aatatccgca cgtngcattt cagtactaca gtacttcaag tcaagttggt ttttgctcac 120
cttttcacga agaaagtga atctcgtctc tatgtgtttt gatcatctga gcgctactgg 180
attcatggtc catctgatat tgggtttggt ggccacatac aatacaacta gcctctgaat 240
ttctatctcc aattcttcaa gtacagagtc tagccataag gcgtgggtatg caacatagca 300
tgctgcaatg tactcagcct ctcaggaaga tatatgccac tacacgttgt tntctctgaa 360
caccaccttt gatatgaaac atgtcctcat caagcatggt ggtgcaccta cgaacttgaa 420
gagata 426

<210> 5947

<211> 444

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 5947

tgctaaccga tggaagctcc taatatctat tacactctnc tgtgtggggc attcttggat 60
ggccttgatt atctcagggc ccacttggac cccatttcta ccaactacaa aacctaagaa 120

aactatatta tctacacaaa aggtacactt ctctatattt gcatagaggg tgtttttcct 180
aaagactgaa agaacttggtc tgagatgtcc taaatgatca tctagcctcc tactatacac 240
taaaatatca tcaaaataaa caactacaaa tctacctatg aaatccctta agacatgatg 300
cataagcctc ataaagggtgc ttgggtgcatt agtgagccca aaaggcatca ctagccattc 360
atacaaacca aacttgggtct tgaaagcagt ttccactcat caccctttgt atcctgattg 420
gtgataacac tttaaatacaa tttt 444

<210> 5948
<211> 399
<212> DNA
<213> Glycine max

<400> 5948
agcttcctat ttatctccat catgagtaac ttggtcttc aatctcacta aaagtgaatc 60
attaagtgtg attgagattg gtagtcatac aaaagtgttg gacaaatggc ctcaaatatc 120
ttaagaaggg ggggttcaat taagatatta caaactattt cccaattaa aattctactt 180
tgatttcaat acaagttcca agttccctta tagatgaatt tctaaataat gattcacatt 240
aaacaatcta aatataaatg taaagcaata ataaataata gagtttaagg aaagagaaag 300
tgcatactca aatttatact ggttcggcca cacccttggtg cctacgttca gtccccaagc 360
aaccgcttg agagatttac tatcttgtaa aattcttta 399

<210> 5949
<211> 323
<212> DNA
<213> Glycine max

<400> 5949
agcttccatc ttaatatata taaattatca ttctgtaaat catcccgaat gggtaagtcc 60
tcatcagaca catgttcgat ccgactcaaa tgatcagcaa cttaaatttta tgctctgctc 120
ctatcacgga tctccaagtc aaattcttgg agccaaagca tccatcagat caacctatgc 180
tttgaatcag ccttctgcaa caagtacttt aaagctgcat gatcagtata aacaataatg 240
cgagtaccaa gcaaataaga atgaaatttt tcaagagcaa aaactatggc tagtagctct 300
ttcttagtag tagtataatt cgc 323

<210> 5950
 <211> 424
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 5950

tcaagtgact aaatatatta cttctnttgt tgggagacaa tattaatatt taatatataa 60
 cttnttttac ttaattactt ttacctata taattagatt agattatgtt tttcggtaag 120
 atatttcaac taatttttaa attgttttta ctagctgaac aacttaagta atttttttaa 180
 tgaatttttag tattttttttt aaatattagt tgaattagta ttttaaaaat attaatttct 240
 aaattttttt ttcttttctt tttgttcttg atatttttat caaattttct aattattatt 300
 tntaaataaa ttataattgt attgttttta tattatttta cactctttaa ttattctaac 360
 cactaattgt atcaaattt tattaattat ttagatttgt agcatcatgt tactgactgt 420
 tagt 424

<210> 5951
 <211> 436
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 5951

tattgaacgt gatgatgtgc tatcctgtgt gtagagtaat tcttatcaaa ctcttgatta 60
 ttcataattt nttagcttg aaggctatag agaaagccat agttagctct gatcttgga 120
 tgactccaaa taatgatgga gaattgatac gactgagcat cccacagttg acatctgata 180
 ggaggaaggt attctccagt tccattgatg ctgcagtgtc taagtttatt ttttctctgt 240
 caattacatt cttgttctca ttgactgaaa gtaatttct taattggttt tcatttctta 300
 tttaactatt aacaaaatcg catagaatca cctcttctac agtcatgacc catgagaaaa 360
 ctgatctcta cagtgactta atatgttgtt tgccatgatt ccaatagtat tagttatcaa 420
 tttatcttgt ctatga 436

<210> 5952
 <211> 278

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5952

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gtctcaaaag ccactagtgc actatcagta ataagtctac caggaacgag tacactttga 120
tttatactca ctatagaagg aagaattacc ttgagtctgt ttgcaattgt tttggcgatg 180
agctcgaaga taacattgca taggctgac ggtctaaata ggcttgagtg agtaggcttc 240
tttaccttag ggactagtgc aatgaatgac ttattcaa 278

<210> 5953
<211> 474
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5953

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atcaccgggt tgagtcttct ctgtggttgt cttactgggt tagctccatc ctctaaattt 120
attcgatgca tacatgtgga tgggctaata ccaggaatgt ccgccagggt ccagcctata 180
gccttcttat gcttcttgag aactgacaac aacttctcct cttgctcatc agcaaggag 240
gcagatataa tcaactgaaa actcttgata tcatccaagt aagcgtattt taaatttgat 300
ggcagaggct tcaattctgg tgtggtcggc tggatagcgg tagaaggaga tggtttctca 360
gcctttacct cataaagaaa gtcagaggta tgtgtacttc ctgaaacatg gntagtccta 420
tctgactcta taaaatcaat ctcaagagga aaacaccacc accaggcatg catg 474

<210> 5954
<211> 442
<212> DNA
<213> Glycine max

<400> 5954

agcttagcaa atggacctgt gtgttgccca gtttcatcat atcttccgta atacttatca 60
cctctatcat atctaataat tttcacattt ctttctaatt gtctttttac ttcattcttg 120
taaatttcta agacattcat tgcttgagaa atctcaggca gtaagtagac ataaccataa 180

tgtgaataat tatcaataat ggtgataaaa tatcattcct ttccgaaaga aataacatca 240
aaaggtccac aaatatagta tgcacaattt caagaagctg agtgcttctt gtagctcttt 300
tctttgtatg ttttgcttgt ttttccctta atacaacca cacaatatatt tagatccata 360
aaatctagat aaggaagaat ttcattcttt attaatcttt ccatcctttc tctagaaatg 420
tgacctaaac gtttatgccca ca 442

<210> 5955
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5955

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ttaaaactcc attggtttag ctttcatttc actttttttg tctttggtta ttgcttgtct 120
ctttgtttcc ttgtttgtga gttgccatat agggaattag aaaggaggat tgggtggcatc 180
ccttgaagaa ttagagtcaa aaagcaaggg gccaccacc ttaagagcta ttcgactaag 240
aagcactcca aattgagaac ctttttgtaa ttntgcaatt gacaatttac ttactttcat 300
tgctttcaaa ttatgtaaca aaaaggtctt tcattggatg taagttaaga gcctccaata 360
ggtcacccta cttccatttg tgtgtagtaa ttntaggtaa ttttccctta cgatatgagt 420
gtttat 426

<210> 5956
<211> 350
<212> DNA
<213> Glycine max

<400> 5956

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cacgacagaa caattatgac ctttccagca acagatacaa ccttggatgg aggaatcacc 120
ctaacctgag atgagacaac cctcaccaac aacagcagcc tgctccttcc ttccaaatgc 180
tgctggccca agcagaccat acattccttc accaatccta caacagcatc aaccccgat 240
acaaccaaca tgtgatgccc ctccacaacc ttccctcaaa gaacttgtga ggcaaatgac 300

tatgctgaac atgcacgctc agcaagagac cagagcctcc attcacagct

350

<210> 5957
<211> 453
<212> DNA
<213> Glycine max

<400> 5957

agcttaggaa gatctgatgc agcattgcag ttaacagcta cacttaccaa tggtgacaca 60
gaaaacttca tagctctaata ggggtgtgct tcaatttctg tctcatttgt tatagtagca 120
ttcttgggtga tgaaatgggc caaaccagcc aaggcaactg tgtttccaca aggaacatcc 180
tcaactgttt catatttctt ccccatccaa attgaagtc cctgaacact cttcacatac 240
aggcttttct tctccccagg aacaaaattt ggccccataa ttctagcctt catattagtt 300
gacaccttcc cagagaagac tcggccaaaa gcataaaacc ttcccttatc agatgtagga 360
atcatctttg acacataaag cattaggggc ccttcagggt cacaatttct gatagcagaa 420
gcgtaagggt catcaagggg accctcatac aaa 453

<210> 5958
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5958

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gtgaagtgtc taaatacaag gcatgattag tggccaaagg gttactgcag aaatatgttt 120
tggattacca tgaagtcttt gttctagttg caagaattga actaattaga cttatgggtg 180
caattgctag ctaacggggg tggtcattgt atcaattaga tgtgaaatta tcattcttaa 240
atggggccctt agaaaaagtc tatgtaagtc agccacttgg atttgaagtg aaggttcaag 300
aggacaaaat gtacaagcta aggaaggctt tatatggctt gaaataaaca cctcanatcc 360
ggaacaagag aatagatagc ttccttatgc aacaaaattt gtgagatgca cttctgaaca 420
tgggtgtttgt tacaaactca acaa 444

<210> 5959
<211> 419

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5959

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gttgatcaa atggagaata gagatcataa tgaagaagaa aggaggagaa gagggaaatga 120
tggtgttctt agacaaaacc gaattgatgg tattaaactc aacattcctc catttaaagg 180
aaagaatgat ccggaggcct acttggagtg ggagatgaaa atagagcatg ttttctcatg 240
caacaactat gaggaggacc agaaggtgaa gcttgccgcc acggagtttt ccgactatgc 300
tcttgtgtgg tggaacaagc tacaaaagga gagagcaaga gatgaagagc caatgtgatg 360
tgaatcttac ggngcgcgga tcgctngaac aggctgtata gtttttggat gacgccact 419

<210> 5960
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5960

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atcaagtttc aagaatccag attcaagaat aatcaagatc aagattcaag actcaagatt 120
caagaatcaa gagaagactc aatcaagata agtactaaaa aagtttttca aaacattgag 180
tagcacaaga attttttata aaatctttta ccaaagagtt ttactctctg gtaatcgatt 240
accagaaggt agtaatcgat taccagtagc caacattggt ttcaaaactg atttacaag 300
ctgtaatcaa ttaccataat cttgtaattg attaagaatg ttttaaaatg ttagatttca 360
aatttcaaga gtcacaacta gtgataaaac atntttcaaa taatttaaac ttgtgtnatc 420
gattacacaa tacttgtaat cgattac 447

<210> 5961
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5961

agcttccatc acatggagtc ctcgacacag tgtgctaacg tacatgttgg actatgcgag 60
tcataggact tgggtggtctg tggatgacca tatggagact atagtattct tggacgatcg 120
gcattgagtc ttacacaaag agtgctgaca accatgtcgg tctgtatgat gtatctgcat 180
tgaagctcgg aggccatgga tcttcttcat caatggagac cattgcttct tgaacattaa 240
tggcagagga atggagaaga agaagagggt agaggagacg cctcttcatg aagaacatga 300
gtctatatga accgtccac cataagatgc catggataag agcttgaagg ttggagatga 360
tgagtggagg gagatggaga gacggggcac tanatattgt gcctcacatg atgtctcatc 420
tttgaagtgt gattctcaca tga 443

<210> 5962
<211> 442
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 5962

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agcttagcta cacacacccc tctaataact aagctcacct cattgagaag cttccttgaa 120
aagattccta aagaagctag agcttagcta cacacacctc tctaatagct aagctcacct 180
ccttgagatg agaagctata acttagctac acactcctta taatagctaa gctcacccca 240
tgacaaaata catgaaaata caaaaaaagt ccatactaca aagactactc aaaatgcctt 300
gaaatacaag gctaaaaccc tataatacta gaatggcaa aatacaaggc ctaaacgaag 360
gaaaaaacct attctaatat ttacaaatat aagcgggctc atacttagcc catgggctca 420
aatctgccc taaggctcat ga 442

<210> 5963
<211> 431
<212> DNA
<213> Glycine max
<400> 5963

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taaatatatc ttgatatgg tatcagagct cttctgatga agagctctgc tgcgcactca 120
cctccttttt catacttctc tcaactttaa tcattcatca tgaatgaaac aacactcagc 180

aacatggaaa gctacttgta cctacatccg agtgagaatc caaccattgc tctcgtctct 240
 ctagtcttgg attcaaccaa ctaccattca tggagcaggt ccatgatcac tgcattgagc 300
 gccaagaaca aagtggaatt tgtagatgga agcgtgcctg aaccattgaa aactgacaga 360
 acgtatggag catgcgccga tgtaacaaca tggtagtctc ctggatcatt cactcaatag 420
 ctacctctat c 431

<210> 5964
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5964

agcttagctt gagatgcctg acctttagca tacagtaaga catcatctgc gaacagtaaa 60
 tgagaaacac tagggccatt tgaggtcaac ttaactggct tccacctcac ctcccatcag 120
 aactaccta agagatcata tcaccaagcc totccataca tgatacaaat aaatatggga 180
 acaatgggtc tccctgacga agccctctca caggaataaa actatttttt gttctacctc 240
 cattccacat gatagaaata gaagtagatg acagagcatg tagaatcaaa gacataatgt 300
 tattagggaa ataaaaaaaa taaaaaagag tttcccacca aaaaaatcct agtccacacg 360
 atcatatgcc ttctccggat ccaatttaaa aataaaatcc ctttcttctt tttagatnta 420
 tgcataaaat gaactaactc ttgaagaat 449

<210> 5965
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 5965

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 ttgttcaatt tcgatcctct cgacatatta tgcacccgaa tcggacatct gtgtgaaaag 120
 tcatgatcat ttgaatttct cgagagcttc cgatgtttaa tttcgagcgt atcgatatat 180
 tataaccctg aatcggacct cagtgtgaaa agttatgacc atttgaattt gacgagagct 240
 tccgttggtc aatttcgaat atcactgtat gtgatgcgcc taaattggac attcgagtta 300

aatgttatga ccatttgaat ttctcaagag cttccgttgt tcaattctga gcgtctcgat 360
 atgtgatttg cctgaatcgg acatccgtgt gaaaagttat gaccatctga atttctcaag 420
 agc 423

<210> 5966
 <211> 452
 <212> DNA
 <213> Glycine max

<400> 5966

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 gtcattggac ttgatggctt ctggatgacg atatggagac taaagtagtc ttggctgata 120
 ggcattgagt cttcgacaaa gagtgcagac gaccatgttg gtctctatga tgtagctcca 180
 ttggagcttg taggccatgg atcttcttca tcaatggagt ccattgcttc ttgaatttta 240
 atggcagtgg aatggagaac aagaagagtt gagaggagac gcctcttcat gaagaagatg 300
 agtctagaag aacctacca ccatacgaag ccatggatta tagcttgaag gtacgagata 360
 attagtggat ggagatggag agaatgggca cgaatatttg tgctcatat gatgtctaaa 420
 ctttgaagtg taattctcaa atgatcaaag tt 452

<210> 5967
 <211> 439
 <212> DNA
 <213> Glycine max

<400> 5967

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 gattcaagag gccccatgag tttagcacia caacatttaa gtatgaaaat gtgactgcta 120
 ttctgcagc catagactgg aggacaaaag gagctgttac tccaatcaaa gaccaaggtc 180
 aatgtggtaa gataaagaac atcatataat aagtacttta ttatgttcca taaccatcat 240
 tatttccttc atctcatttc aattatttcc ttcattctcat tttatgtgac acatttaaaa 300
 tattcctgct tcaatttttt ttatcacttt aaaatataaa aaaaatacta attacttttt 360
 ttttttccaa taacatcctg actactgcat tgattagtcc ttctatttct actactgcaa 420
 tacatttttg gaaataata 439

<210> 5968
 <211> 452
 <212> DNA
 <213> Glycine max

<400> 5968

agcttgtgtg tccctgaaat tccttctctg gaaggatgct ccacaacca attcatggat 60
 ttcttgattg cacaagtaa tttcctcaaa ttcaatgatg gcaacatcta caacacaatc 120
 agggaaatcg aagggtgctta cattgacttc atggatcgca tcagtgggtga cgaaaacttg 180
 ggcaactggg tcattcaaca cttcaacat tgagaagcta tgaagcacgg acacttcagc 240
 cctttgtcgt gttcggtgtc cgacacgcgt ccgtgtcagt gtccgacacg cgtccgtgtc 300
 agcgtccgac accgacacaa caccgtatt acgttctata ttttggacat tacaggtgtc 360
 cacgtgtccg tatccgtgtc gtgtccggtg tccgtgtcgg tgtctgtgct tcatagttga 420
 gaagaaaaac tccaaaggaa ggcacatatg ca 452

<210> 5969
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5969

agcgtagtgg anagaatcat tgctccactt ggcattgacta agaaactctt ggcattctaaa 60
 gttgccagtc atgaatagag tcttgtcatt taatgttttg tccatttcgc tcttcagcca 120
 taaccggttt tgtaatttac tgctgtagaa tctatgctac agatggggag caagattgac 180
 accatcacia ggggtgaaa aagtaaaaca cttcttcaag gattattcta tcaatcgaca 240
 caaatgact gtcttgacgc ctctctacca tgctgaggtg tgtatgtgaa gacagagttg 300
 aatccttctg gataactcct tgattgggct tatttatattc tttgttggct aatgaaagtt 360
 aatccttctg tcatcctgca aagttattca ccacaggata atatgtttga tcttctccag 420
 cttctctata atgcaag 437

<210> 5970
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 5970

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ttcaactaga taagacattt tattaagctt tcaattcttc tattttcact tcctatcaat 120
gtactcaacc aatcagaaac caactttggt gtaaagtcaa caaacattga atgacggtgt 180
aaaaaatctt tataccgtca atgtatatat attatttatt cctttttttt taatgttcta 240
ccctttaaag ttggtgagta gcgatcaagt tagaaaataa tgcatacaata acttgaagtg 300
gtaagagagc tataccttcc ctagtaaatt gtggtgccaa ggaaaatttg cgacaggaag 360
gcagacaatg cangttgaag tggattgtaa agggcaacca aagctggccc caagatctta 420
ttgctccatg t 431

<210> 5971
<211> 351
<212> DNA
<213> Glycine max

<400> 5971
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ctccgccgca accggttgt ttggagtgtg tgatgcactt gagaaccata tttttgctcc 120
tgtgccatcc ttgatactaa gaatgccttg atcagtgtct acttctaaga ctccagagtg 180
gtctttaagt ggtttttctt tgttggctac ccaaacaact gttcttggaat atatatttgc 240
gtaccaaatt ccgatgtaac ggctgtcgaa gtttgctggg ctgaagaatc ctgcttcaaa 300
ggctccattt gttgaaacca gagtttcatt ctattctta ccatctctga t 351

<210> 5972
<211> 416
<212> DNA
<213> Glycine max

<400> 5972
agctttgagc atattgaaat gacaataact ttatacacgg atgtccggtt gaggcccgta 60
agatatcgag acgctcaaaa tttagatccg aagctctgag aaaattgaat tgacaataac 120
tttatacacg gatgtccggt tgagtcctgt aatatatcga gacgctgcaa attgaaaacg 180

gaagctcgta ggaaattcaa acgacaataa ctttttactc ggatgtccga ttgaatcggg 240
 taatatatcg agacgatcaa aattgagact agaagctttg agcaaattga aatgacaata 300
 actttataca cggatgtccg gttgagtccc gtaatatatc gagacgctca aaatttagat 360
 ccgaagctct gagaaaattg aattgacaat aactttatac acggatgtgc aactga 416

<210> 5973
 <211> 467
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5973

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 acttcttagt tagcttataa agntatcaca gcctgttagg cctgggtgtt atctgtgaat 120
 gctgccattc attgatgggt gtcaacttga ttgtacagct gtatgactgt gatacagaca 180
 ttaatgatgg gttctgctaa ttttatttca gtctgtgatt aagaagaaat atgggtcaaga 240
 tgcactaaat gttgggtgacg aagggtggctt tgcccctaac atccagggtca atattttaat 300
 tcatttcttt ttatgcatgg aactccggta cctgctcatc tttttggcct gtaactgata 360
 atctctattg agtgttcatg aaaacaaaga aggtttggaa ttgctgaaaa ctgccattgc 420
 caaagctggt tacacaagca aagatagtat tttccctcgt caaaatt 467

<210> 5974
 <211> 447
 <212> DNA
 <213> Glycine max

<400> 5974

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 gatagaagac tgcaagaaga ttgggaaaaa gatgcaagag aaggccctag ggttctcatg 120
 agccttaggg tagatttcgg gcccatgggc taagtataag cccacttatac tttgaacata 180
 ttagattaag gtttcattaa ttttggctcct tgtatttagg gctccataat gtaggtaggg 240
 taccctagaa atataggatt tttcagccct tgtatttttag ggcacctaga ctagtttttg 300
 tattaggggt agttttgtaa tttcacatgc agtaagtga tatttgatgt gtgggtgggtg 360
 aaataaattt aattgagtat ttgcttacca caccctcattg ccacatcata tactcacact 420

ttgtgcatgt ctttcatgct ttacatg

447

<210> 5975
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5975

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ttcacccgat gaagacactg acaaaaactt atcttctcct ttttggacaa agtatgacaa 120
gttgggggca agtaaatttt cttcccatca gaccttggat gcaactgtga tcgtatccac 180
atctctgcta gattttgacg agtattcaag ccacccctcg tcttgccta aatgttaagg 240
agcgtcccaa tcacactgtc acatacattt ttctcgacat gcataacatc aatacaatgt 300
ctaacatcta gatcagacca ctacggtaga tcaaagaaag ttgacctgtt cttccatatg 360
cagagctgac tgttatcctt ctttngggtc tttccaaata cagtattcag gtgttgaacc 420
cgctgggtata cctgctcact agtcaac 447

<210> 5976
<211> 435
<212> DNA
<213> Glycine max

<400> 5976

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cagaacaatt atgacctctc cagcaataga tacaatcccg ggtggaggaa tatgatggaa 120
gcttgcttgt ggggcttcta tggaggctgg atctttgagc ttcaatgagg tcctttaatg 180
gtgattttcc accatggaga tgcagtggaa gacaaaggag aagaggtgag aggaggcgcc 240
atccactatg gaataagcca tggaagaagg agcttcacca ccgagatgag ccttggataa 300
gaagcttgga gaggatgctt caatggagga aaagaagaag ggaggggaaag agagaggggg 360
gagcagata ttgaaggaag aaaaaaggga gagaagttga actttgagtt gtgtctcaca 420
agactctcat tcac 435

<210> 5977

<211> 441
 <212> DNA
 <213> Glycine max

<400> 5977

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aagtttgctt atactgaaaa gggaatcttt atgcaccaga agaagtacat ttcagaggta 120
ctaaagaagt ttaatacaat ggagtgtaat cctacagaaa ctccagctga attaaatgtg 180
aagcttgtaa gaagtgagaa tgaggcttca gttgatggga ccttgtttag gcagattgtt 240
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aatgacccta gagaaccaca tttgttagct gctaatagaa tcttgagata tctaaaggga 360
actctgggat atggaatcat ttttcccat caaatcaaga aggatgggag tctacacctt 420
gaagcctatt ttgattctga t 441
```

<210> 5978
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5978

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caatcttcat cagctaggaa cactaccaca tcgtctcttc catgcactct cagcgaata 120
tgGCCctctc atgttgctgc aattgggcca aattccaacc ctagtggctc catcagctga 180
agtggcaaga gaaataatca aaaaacatga tattgccttt tccaaccgcc cacaatctac 240
agctgctaaa atattacttt gtggatgatg caatgatata aaaaacaaaa atattgaaca 300
tgttgaaaac cataagtaat aactcagat caaacaggga agagaaaaaa aataattttc 360
acaggatatc ttctcttatt atttccacta gctcanattt gattgggtgtg ttttatgtaa 420
aggga 425
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<210> 5979
 <211> 334
 <212> DNA
 <213> Glycine max

<400> 5979

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aagaaaacat taaatccaaa aattagatct ctatgccctt taagcagctc cttcacttct 120
tctatgccac taacaagggt gaatctgcag atgaacagta taattctttc acataccatc 180
tcgcaagaaa tggcaactat aaagtataac tatatgacta catcatgatg aaacctatca 240
gcagtgaaat ttttcatgag ttccaaaaat ttatcaaatt tttctctatc atctttaaat 300
gcacacctga ctgtggagag atatgctaag gcac 334

<210> 5980
<211> 341
<212> DNA
<213> Glycine max

<400> 5980
gcatgcaagc ttggaacata taaaccgaat tctagttctc tcttaagact tagtcaaaat 60
gtctgctggt tgatcattag aattgatgaa ctcatggta atctccttgg acaatgattt 120
ttctcaaatg aagtgacaat caatctctat gtgcttggtc ctctcatgaa agactggatt 180
ggacgcaatg tggaggggcta cctgattgtc aaaaaataac tttattcgtg caacttcaca 240
aaacttcaat tcttgaagaa ggtgcttaat ccatataagt tcacatgtga ccaaagccat 300
agatcggtac ttagcctctg cgctggatcg agcaacaaca t 341

<210> 5981
<211> 269
<212> DNA
<213> Glycine max

<400> 5981
tgcttctccc ccaatattct atttattctg ggagaagtga cgtacacaag ggcatagcct 60
tcttgtcagt caaacctcta tccaaattcg aagcgacaca taattccagc aagaaacttc 120
aagcgtaaag cctgtcgtgc cgattgcgtg aactaactca caataattgc ctaccgctct 180
tgacagttat cgatcggtca aacctgtcct gccacctgaa cggatgaatc cgtcaacgcg 240
aagcttttac ttcattctat gtactcgtg 269

<210> 5982
<211> 280

<212> DNA
<213> Glycine max

<400> 5982

agcttccatt gttcaattac gtgtcgtttc gatataattag gccccggaat cggtccttcg 60
agttaaaagt tatgaccatt tgaattagac gagagctttc gttgttcaat ttccagcgaa 120
tcggtatatt aatgcgcctg aatcggacct ccaaaagtaa aattttgtcc ccctcttttg 180
atgaagagct atcatcgtag catgaatagg cgttatttca cttttacacc tataggggac 240
attcgaggta aaacccctcc ctatggtgaa tttcttaaga 280

<210> 5983
<211> 326
<212> DNA
<213> Glycine max

<400> 5983

agcttgaaga gagactcaca agtgggtttc actggaatat gaacctcgct atgtagtcca 60
tacatcctaa gaagcctcag acctgctttt cggcgtgtgg ctcatgcatt tcgaggatgg 120
ccttcacctt gtctcaggcc acctttaccg atttttggct tatgataaaa ctgaacaact 180
ttaccaactt gacgcaaaaa gtgcactttg cgggattcaa ccttaatcga tacttacaca 240
gtctctccaa caacttctgt aagtagataa ggagtagcctt cttgggtttg gacttggcaa 300
tcatatcatc cacgtagacc tcaatt 326

<210> 5984
<211> 340
<212> DNA
<213> Glycine max

<400> 5984

ctgcacgcat gcaagcttga atagagactc acacgtgggt atcaactgga atatgaacct 60
cgcaatgtag ttcacacatg ctgagaagcc tcaaacctgc ttttcggtgt gtggctccat 120
gcatatcgag gatggacttc accttgtctc agtcaacctc tacccttta tggcttatga 180
tgaaactgaa catcttttac caacttgacg ccgcaaagag cacttcgcgg gatgcaacct 240
taatctgtac atacacaaac tgtcgaacaa ctgacgtaag ttgattacgt gtgcctccat 300
gattctggac gtcgcaatca tgtcacccac ctggacccca 340

<210> 5985
 <211> 331
 <212> DNA
 <213> Glycine max

<400> 5985

agcttttgaa aaggagttta attaaaatat taataatata aagatatgta aatcatcatt 60
 taattataaa ttattatgcy taataatata tttttattgt tatttaaaag tcacatacaa 120
 aatatgcttc aattaattat tagtataata attcttaaac tacaacatat taaaattaaa 180
 ctctcttcaa aatatttggt attgatagta catatttttt atccattaaa atcaaagtag 240
 tataaaaaaa ataataatat aataattcat ccatgttcaa ttaattaagt tacacatttc 300
 ttgataatta acgatacata taatacacac t 331

<210> 5986
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5986

gtgagacgca atgtatctcc atggggagca ccagtgtgt tagtaaagaa gaaagattgg 60
 accatgaggt tgtgtgtaga ctatcgccag ttgaataagg tgacgattaa gaatacgtac 120
 cctttgccta atagacgacc ttatggacca gttggtagaa gcttgtgtgt ttatcaagat 180
 ataccttagg tcaggttacc atcagattcg agtgaagtct gacgatattc cgaagactac 240
 ttttacgacc cgttatggtc actacgagta tctagtcag ccttttggtg tgactaatgc 300
 tccaggtgtg tttatggact acatgaataa agtctttcac ccttactttg atnagtttgt 360
 ggtagtattc atagatgata tnttgggtata ttcacagact agagaggaac atga 414

<210> 5987
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5987

ataatggaga cacatgaaca gcgctaggca atgacattca tgggtgctccg aacaaagggtg 60

gagtatggag gattgccttg aggggtccgca cttatgcaat catgaaactc agctccaaac 120
 tcgaaagtgg aggacacatg aacagtccta agcaataaca ttcattgtggc tctggaaaag 180
 gatgagaatg gaggattgcc ttgagagtcc tctcttaggc aatcatgaaa cacagctcca 240
 aactcaaaag tggaggacac atgaacagcc ctaagcaata acattcacgt ggctccggaa 300
 aaggacgaga atggaggatt gccttgaggg tctctcttta tgcaatcatg gaacacagct 360
 ccagactcga aaatggagga cacatgaaca gccctanaca agaacattca tgt 413

<210> 5988
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 5988

cacatttgaa ggatgttata agaagaaatc catttggctc atatgctcag gtacgtacac 60
 cgattatggt ataatcctat cagtaccttt atatgattgg tttttcctac agagcttttt 120
 tgaattatca attgccaaga tgaaatatga caaggtaatc tcttgactg aataaacgtt 180
 tcagaggag gagacaattt cagtgttggg cagaggcaac tgctaagtct agctagagca 240
 ttgctacgaa gatcaaagggt tcttggcctg gatgaagcta ctgctgctgt agaagttaga 300
 actgatgccc ttatacagaa aactatcaga caagaattca gtcctgcaca atgctcatca 360
 ttgcacacag actanataca atcattgatc tgcacggat tcagctgctc aatgc 415

<210> 5989
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 5989

atacgagaat gaagctctga taccatgtgt tagacaagtg gcctcagata tcttaagaag 60
 ggggggtggaa ttaagatatt gcaaactatt tccccaatta aaaattctat ttcaatttca 120
 atgcaagttg caagttacct taaaaattaa cttttaataa atgattcaaa tagaacaatc 180
 tgaatataaa tataaatcaa taataaataa acgagtttaa gggaagagaa agtacaaact 240
 cagatttata ctgggttcggt cacacccttg tgctacgtc cagtcccaa gcaactcgct 300

tgagagttcc actatcttgt aaaatccttt tacaagttct gaacacacaa ggacaatcct 360
tcctttgtgt ttagatttct ttacaacaag agatactcgg tctctcaatc c 411

<210> 5990
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5990

tcgatatata tgcgcctgaa tcggacttcc gtgtgacttg ttatgaccat ntgaatttgt 60
cgagagcttc cattgttcaa tttcaagctt ctcgatatat tatgcgcctg aatcggattt 120
acatttgaaa agttatgacc atttgaattt ctcgagagct tccgttggtc catttcgagc 180
atctccatat attatgcgcc tgaatcggac tttcgtgtga aaagttatga ccaattgaat 240
ttctcgagag ctttcgttgc tcaatttcga gagtctcgat atattatgcg cctgaatcgc 300
tgttccgtgt ganaagttat gaccatttga atttctcgag agcttccgtt ggtcaatttc 360
gagcgtctcg gtatattatg cgctgaatc ggacctccgt gtgataagtt atgaccatnt 420
gaatttctcg agagct 436

<210> 5991
<211> 309
<212> DNA
<213> Glycine max

<400> 5991

aaattaaaca atggaagcac tcgagatatt caaatggtca taacttatta catggaagtc 60
cgattcaaat tcataatata tcgagaagct tgaaattgaa caacggaagc tctcgagaaa 120
ttcaaaggt cataacttat cacacggatg tccgattccg gaggatagta tatcagaagc 180
tcggaatata tcaacaatag ctctcgagaa attcaaagtg tcataactta tcacacggaa 240
gtccgatgta ggtgcataat atatcgagaa gcatcaaatt gaacaatcga agcctctcag 300
aaattcaaa 309

<210> 5992
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5992

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agcttcttca gaaagatgta gattcgtgct tgaccaacct tacaaatagg aattcgacga 60
gctgaggagg aggcttacca cctctcccat tatgcaacca ctagattggg agcttccatt 120
taagctcatg tgtgatgcct ccaattatgc acttaggggt gttntgtcac agagagttga 180
taaattaaca catgtcattg cttacgcctc acacactcta gatgcagccc aagtcaatta 240
caccactact gaaaatgagc ttttacatat tgcttttgca ttatataaat ttagatctta 300
tttgctctgc tcccatatta ctgtctatgt gacaccctct acctcgacat acatataaat 360
aagacaaaca ttaatgtatt catttagact ttcagagacc aacataatca tttaattttt 420
ttacatcacc attaaa 436

```

<210> 5993
<211> 328
<212> DNA
<213> Glycine max

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<400> 5993
ttcctaattt ctctacaatt gcatcatctc tcaatgagct ggttatgaag aatgtggcat 60
ttacctgcga tgaaaaaaca gagcaagcct ctgtttgatc ttctcgaagg cctcttggca 120
gccactgttc cacacgaccg cctagttctt acgtaatagc ttaaaaaatgg gttcacatgt 180
acgggtgagt tgcgagataa atctcgcgat ataattcaac ctgccccaaa atccccgaac 240
ctgcttctcc gtgcgtgggt ctggcatttc aaggatggcc ttcactttct cgggatctat 300
ctctatccct ttctgactta cgataaat 328

```

<210> 5994
<211> 245
<212> DNA
<213> Glycine max

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<400> 5994
gaaacacgaa acactgtttc actggcctcc acagtgacaa accctagttc aataaaaagt 60
gaaattggaa aacattgaaa atcagaaaact cacgttccgc cgacgcctcc ggtggtttcg 120
gaggagatag tggagaaaagg aagctcgcag atggcgacgg aagcgccgta gttggcagcg 180

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aagcgagcgg ctcggaagcc gccgctgccg gcgccgatgg tgaagaggtc gaagtcgtag 240
tgtgc 245

<210> 5995
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5995

tactgcctca tgaagtcat caattagttc atcaacagtg ggaataagaa agctatcttt 60
gattgtgatg gcattcaaag ccctgtaatt tgtgccaaat ctccaagngc catccttctt 120
cttgacaaga atgattggag gtgaaanagg gcttctgcta ngggcaataa tcccttcctt 180
gagcatgtca actatcatta attacttcaa tctgatcctt ccggctgtga ggatacctat 240
atggcttgac tnttactggg ccagcacctt caaccaatgg gattgaatga ttgtgagttc 300
tgctaggggg tagtcctgat ggcacatcaa agactgttct atcagtgtaa agtatcatgg 360
ccagttctgg ttccatatca accggtatat ctaataactg gt 402

<210> 5996
<211> 457
<212> DNA
<213> Glycine max

<400> 5996

ctgccgcatg caagcttgaa ggacatgcac aaagtgtgac tatatgatgt ggcaatgggg 60
tgtatctagc aaatgctcac ctccccctct aaaatttatt tggattgggc ttctcccaat 120
tcaattaaat ttatttccca acacacacat caaatattca cttaatgcat gtgaaattac 180
aaaactaccc ctaatacaaa aacttgtcta ggtgccctaa aatacaaggg ctgaaaaatc 240
ctacatttct aggggtaccct acgtacatta tggagcccta aatacaaggc caaaaaataa 300
tgaaacctta atctaatatg tacaagata agtgggctca tacttagccc atgggcctga 360
aatctaccct aagggttggt agaaccctat ggccttctct tgcattctctg gcccaatggt 420
cttgaggtct tctatccaat gcccttgggg agtagga 457

<210> 5997
<211> 419

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 5997

gatgctgagt tgnngttgtg gcatagtact ggtgagttct ccattggaca atggagttcg 60
 aggatgcctt caaggagaga tcatntgctt ctcttttctt cccacaccat ctcatattcg 120
 gtatatatgt taataataat aaattggtat gttaatccat tatggtgaat atatgtattg 180
 taatatttgt aggaagttat acaaaacaaa ttgtcacatg tggataaatc tcaagtatga 240
 atatgctaag actttgacta tttaaatatg ttactatatt catanttatt tttgtttatt 300
 ggataatnaa ttatgataaa tcattattat gttataataa taataatatt gataaaaaaa 360
 tttatgatca ttatntctca ttaattacat gaagtatata ttatgaagat agtaatgat 419

<210> 5998
 <211> 353
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 5998

nggatttctt ttagtaggga tctatccttc ctagatggat gccaacccag tcaactgtcat 60
 taagaactag ctcttttctt cctctattgc ctttagttga atacacctnt tggttgntct 120
 ctatttggtt cttaaccctc tcatgcaact tctttacaaa ctctgacctt gattcccctt 180
 ctntatgtat aaaagaagtg tccagtggga agggaatgag gtctaacggt gttaggggat 240
 tgaaccata gacaacctca aaaggggatt gcttggtggt tctatgaacc cccctgttgt 300
 aggcaaattc tacatgagga agatactcat cccaagactt tatcactacc tct 353

<210> 5999
 <211> 429
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 5999

agcttatctc tagaggggat ggagcctttc tttgtttgga gaggataaat aacattgcct 60
 ataggttgga cctcctagaa gagtatagag tcaacaccac ttttaacatt tctgatttaa 120

ttccttttcgc aggtggagtt gatattgagg aggaggaact aacagatttg aggtcaaadc 180
ctcttcaagg ggaaggggat gatgcaatcc tccctaggaa gggaccagtc actagagcca 240
tgagcaagag actccaagag gattgtgcta gagctgctga agaaggccct atggttctca 300
tgaacctcag ggtagatttc tgagcccata gaccaaggtt ggtccaatt gtctttgtac 360
atattagact aggatgtcat tataatntgat ccttgatctt agggctccat aatgtatgta 420
gggtaccct 429

<210> 6000
<211> 377
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 6000

gctttacttg cttggaatta tccagtctat ctttcttatt ttttcgccta cattcttctt 60
caagaatagc ttaagcaaca tcattaaagg gtagacaagt gacattatta tttattgtta 120
tggtgataat gaagttatca tataaatctg gtagactcta aagtagaagc tctaccggtt 180
tgttttcttc tatgttaaaa tttgatgacg gaaattggga aaataaagta ttcagggttt 240
catgtggtat gtcacccaaa tggactcact cgttcgaaga gtgcagagtt tcctcttcaa 300
aaatattcta gtctgaagtg actngatctc atacaatttg tggaaagtat cccaaatadc 360
cttcacgttt tccattg 377

<210> 6001
<211> 442
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 6001

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gggcggacat aacattcaga ggatgtggca gaacattgac attgtccgcg tacgcttgac 120
atztatgaca tttccttaca tgggtgcagc aatcgctttt catagtgagc cagtaataac 180
cggccctaag gatcttcctg gccatagcat gccattggc atatgtccca aataaacact 240
cgtggatttc cttaatcatg tagttcgccct ctttggcatc tacgcatcgt aaaagggtca 300

tgtcatgggt ttgtttgtac tggatagtag cactcacaaa gaaaccagta gccaatctcc 360
 ttaacgttct tttgtcattg tcggaaatcc ctggtggata ttctttgttc tcaacatatt 420
 gttngatgtc gaagtaccat gg 442

<210> 6002
 <211> 388
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6002

acaaaaaagc atgtagatat atcagtgaac tgagccagac caaggaaaaa tacatcaaag 60
 aaaataaata atctagtata gctaatttta taatcagata aagcatctga gacctgctgc 120
 catgtggtat caacaggaag ctgccgccga gcatgccag catcaaaatc cagtacacca 180
 taatccctca accgaatcta cacagcaata actaaaatca gaagtctntt tgaggattaa 240
 atgcatggca ttatctataa gacacatttn tctaaatgag acaaaccga aggaagcacg 300
 gattctttgc aattccaaca cccaccaag agcagctacc attagataaa aagcagcaga 360
 aataagtgtg ataacaatac aaatcatg 388

<210> 6003
 <211> 397
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6003

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 tctgtacctg tcgcaagggg ttgtgggttg tgctcctctg ctgaccacca tacagacctt 120
 tgcccttcca tgcagcaacc tggagcaatt gagcaacctg aagcttatgc tgcaaatatt 180
 tataatagac ctctcaacc tcagcagaaa aatcaaccac agcagagcaa ttatgacctt 240
 tccagcaaca gatacaaccc tggatggagg aatcacctta acctcagatg gtccagccct 300
 cagcaacaac aacagcagcc tgctcttctt ttcaaaatgc tgctggccca agcagaccat 360
 acattcctnc accaatccaa caacagcaac aacccca 397

<210> 6004

<211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6004

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 ggtagttccg aagaaaatcg gcctcatcgt gatcaaaaat gagaaggagg agttgattcc 120
 tactcgggtg cagaacagtt ggagagtctg catcgactat aggaggctga accagggtac 180
 caaaaaggac cattttccct tgccattcat tgactagatg cttgaacgcc tggcaggtaa 240
 atctcactac tgtttccttg atggtttttc tggttatatg caaatcacta ttgctcctga 300
 ggatcaggaa aagaccacat tcacctgccc ctteggcact tttgcctata ggaggaatgc 360
 ctteggcctg tgcaatgccc ctggtacctt ccagcgggtgc atgatchagt attttagtga 420
 tt 422

<210> 6005
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6005

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 agaagaatgt ggcatttacc tgcggtgaaa aacaagacaa gcctttgctt tgctcacaga 120
 aaagcttact aaggcacctg ttctagctct tcttgacttt tctaaaactt ttgagctaga 180
 atgtgatgcc tctggagtgg gagttggagc tgtattgtta caaggtaggc accctattgc 240
 ttatttttagt gaaaaacttc atagtgccac cctcaactac cccacctatg ataaagagct 300
 ntatgcctta atatgagccc tccatacttg ggaacattta ccttgttcca aggagatttt 360
 cattcatagt aatcatcaat cacttaagta cattagaagg gaaaagcaag ta 412

<210> 6006
 <211> 404
 <212> DNA
 <213> Glycine max

<400> 6006

gtgcagaact ggaagctcca attcatggaa agttaattca ttcctacgcg agcaagaccc 60
 ctgcctcgtc taatgtatct gtaaacagtg ctttaataata tatgtattca aaatgtggat 120
 atgttgctga tgcttttcaa gtttttgaca acatgccgga gaggaatgtg gtttcttggg 180
 aatccatgat attggcttat gcaaggaatg ggcattgtag agaggctctg aagctcatgc 240
 atagaatgca agctgaaggt tttgtggtgg atgattatat ccatacaaca gttattagt 300
 catgtggagg cggtgagcat ggagacattc atcaggatag tgagtattct tcacattact 360
 tgcattccta gtaatcttct acaagatagg agcatcaatg aaca 404

<210> 6007
 <211> 330
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6007

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 atgaactntg attcttcttt ctggctgaat gaaatgatat ctaacattta tatgcttagt 120
 tctatcatga tgaacctgag ccttggccaa gcatatagca ctaatgttgt cacagtagat 180
 gttagcatat tcttgattaa ttgcgagatc atatattaaa cctttcagcc ggattccttc 240
 ctttgcattg tcaataagag ccatgtattc agccttagta ngcaagaggg caacagaacg 300
 ttgaagtgtt gccttccgaa tcaccaagct 330

<210> 6008
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6008

gagaaagatg tccanaanat ggaaaaatat attataaaaa atcaactccc tcttggtgtg 60
 tgtaaccctt ggccacaagc ctagctttgt aactntggat ggcgccatta acacaatgtt 120
 tgatgtgata aaccaccta taaccaattg aaacttatct tngggaaaat cagttagata 180
 cgaagtatga tttgcttcaa gagtatgtaa ttcattcttc atagctnttc ttaatacagt 240
 ttcatactta acagcttatg catatgtttt gggttcagaa atntttgaaa tggctaaggt 300

atatanttga gatgactagg agacaaatga tgataggaca gaacagtgga taaggaatat 360
 aaagcagtac ctgaagtaga agaaaggaac ctgctgagtt gagaaattgc atgtagttaa 420
 aaatgaaaa 429

<210> 6009
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 6009

tagctacatt aattgtccta catatcatga gttctgatag gttgacagta taatttgttt 60
 taacagtgca tagaaattaa actctttcat cataactatga taaaacaaac tttgaagtta 120
 aatttttctt tcttattttg ggtgatatct cacgtaggaa aattcataca atatgtggca 180
 tgtatttttg gaggtacagt catagcattc atcaagggtt ggcttctaag ccttgctctt 240
 atatcttctc ttccacttct tggcctctct ggtaccgaat gagctttgct tttgccaaga 300
 tggcatcccg aggacaaaca gcttattctg aagcaactac tgtagtggag cggacaattg 360
 gttcaattcg aactgtatgc caac 384

<210> 6010
 <211> 436
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6010

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 taattatgac ctttcaagca acagatacaa tctaggttgg aggaatcacc caaatcttag 120
 atggacaagt cctccacaac aacatcagcc tgtccctcat ttccagaatg ttgttggtcc 180
 aagcaagcca tatgttcctc ctccaatgca acagcaaaa cagcagtcac aaaaagaca 240
 acaagcaacc gaggtcctc ctcaaccttc ctataagag ttagtgaggc aaatgaccat 300
 ctagaatatg caatttcaac anaagacaag agcctccatt cagagtttga caaatcagat 360
 ggngcagatg gctactcagt tgaaccaagc tcanaccaa aattctgaca aattgccttc 420
 acaaactatg cagaat 436

<210> 6011
 <211> 266
 <212> DNA
 <213> Glycine max

<400> 6011

aaagctcgaa attgaatggt gaagctctga gcaaattcaa acgacaataa ct~~t~~tttactc 60
 ggatgtctga ttgagtcccg taatatatcg aaaagcttga aattgaatgt tgaagctctg 120
 atcaaattca aacgacaata acatttttact caaatgtctg attgagtcct gtaatatatc 180
 gaaaagctcc aaatggaatg tggatgttct gagcaaattc aacgacaata accttctact 240
 tcgatgtctg attgagtccc gtaatg 266

<210> 6012
 <211> 365
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6012

agctttgtnc ncctttgttt attaattagt gatgatttgt gaactacagg gactgcaaga 60
 caagatcgaa ttggttccta ttgatcttaa aaacaggcct gcttggata aggaaaaagt 120
 ttatcccacg aataatgtaa agataccgta cgtgggcata tattaagtgg tgaagctat 180
 ttgatttgc tgaattgatca tatcacgttc ttcttcttat gctataggta ccttcgttgg 240
 agcacaatag caatggttta ggagaaagtc ttgatttgat aagatatata gatgccaaact 300
 ttgaaggggc acctctattc cccactgtaa gaactatata ttaatatata ttattccata 360
 catta 365

<210> 6013
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6013

acctgcacgc atgcaagctn tactatgcaa ggaatatcca aggaaatatt cttcatctga 60
 cttagcatca aatttttcta agttttcttt accattgttt aatacaaagc atttgaacc 120
 aaaaacatga agatgtgaaa tgttgggttt tctaccatta aacagttcat atggagtttt 180

ctttaaaata ggtcttatta aagccctatt catgatataa catgcagtat taacggcttc 240
 agcccaaaaa tatcttgga gaggagtatc attcaataag gttctagcaa tctcttccat 300
 tttgttgagg ggttctaggt gcagaaaaat tatgttcaat gtcatgcttt tcacaaaata 360
 aatcanattc tttattttca aactcacccc catgatcact cctaatagat ataaattccc 420
 aaaggaaact caat 434

<210> 6014
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6014

cactaagcaa tcactacgca tagctctaaa ctcgaagggtg gttgacacat gaacganaac 60
 acaattcatg gngctccgaa aaaggggttg agaatggaga attacactaa gcaatcacta 120
 cgcatagctc caaactcgaa ggtggaggac acatgaacga taacgcaatt catggggctc 180
 cgaanagatt gagaatggag aattgcacta agaaatcact acgcgtagct ccaaactcaa 240
 aggtggagga cacatgaacg ataacgcaat tcatggggct acgaaaagat tgagaatgga 300
 gaattgcact aagcaatcac tacgcatagc tccaaactcg atggtggagg acacatgaac 360
 gataacgcaa ttcatgggtgc tccgaanaga tagagaatgg agaattgcac tagcaatcac 420
 ta 422

<210> 6015
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6015

agcttcaata aaaagatggc ctcagcaaatt tttttatttc cagaagggaa ttctatcaat 60
 agacctcaa tctttaatgg agaagggttac cactactgga aaaccggaat gcaaattttt 120
 attgaggcaa tagatctaaa tgtctgggaa gccatagaaa tagggcctta tatacccacc 180
 acagtagaaa gaattacaat agatggtagt tcatcaagt aaagcataac tatagaaaaa 240
 cctagagata gatgggtctga agaggataga aaacgagtag aatacaactt anaagccaaa 300

aacataataa catctgccct gngaatggat gaatatttca gggtttcaaa ttgtaagagt 360
gctaaggaaa tgtgggacac tcttcgatta acacatgaag gaactacaga tgttaaaaga 420
tctaggataa atg 433

<210> 6016
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6016

tcaacattca acttcgagca tctttttata ttatacgact caattagaca tccgagtaaa 60
aagttattgt tgtttgaatt tgctcagagc ttcaacattc aatttcgagc gtctcgatat 120
atgacgggac tcaatcagac atctgagtaa aaagatattg tcgtcttaat tggctgagag 180
cttctacatt caatttcgag cgtctcgata tatgacggga ctcaatcagg catccgagta 240
aaaagttatt gtcgtttgaa ttggctgaga gtttcaacat tcaatttcga gcgtctcgat 300
atgttacggg actcaattag acatccgagt aaaaagttat tgctgtttga gttggctcag 360
agcttcaaca ttcaatntca agcgtctcga tatatgacga gactcaatca gacatccgag 420
taaaaagtta ttgtcg 436

<210> 6017
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6017

agcnttgtgc aaattcaaac gacaataact ttttactcgg atgtctgatt gagtcccgtg 60
atatatcgac acgctcgaaa ttgaatgtcg aagctctgag gaaattcaaa cgacaataaa 120
tatttactcg gatgtctgat atagtcccg aacatatcga ggcgctcgaa attgaatgtt 180
gaagctctca cccaattcaa acgacaataa ctttttacac ggatgcctga ttgagtcccg 240
tcatatatcg agacgctcga aattgaatgt tgaagctctg agacaattca aacgacagta 300
acattttact cggatgtctg attgagtccc gtaatatatc gacacgctcg aaattgaatg 360
ttgaagctct gagctaattc aaacgacaat aactttttac tcggat 406

<210> 6018
 <211> 380
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6018

nntgatgcaa cattggagag gttatcgata caacgagatg atgcgcctca tgagagggtg 60
 gatcanatgg agaatagaga tcataatgaa gaagaaagag gagaagaggg atgatgatgt 120
 tcctagacaa aaccgaatng atggtattaa actcaacatt ctccatttaa ggaaagaatg 180
 atccggaggc ctacttggag tgggcgatga aaatagagca tgtntttctca tgcaacaact 240
 atgaggagga ccagaaggtg aagcttgccg ccacggangt ttccgactat gctcttgtgt 300
 ggtggaacaa gctacaaaag gggagagcaa gatatgaaga gccaatgggt gatacatgga 360
 cggagatgaa aaagatcatg 380

<210> 6019
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6019

gcaagctnta ctatacttag ttcggcttga gttttatacc caagacttga gtntggctta 60
 ttacctatat gttatttgta aagtctcgac tagtcttaca tganagccta acttagccta 120
 caagcctatt tagaagcttg cttaaaggtc ttgatcaat taattatttt aaacctaatt 180
 gaaataactaa ttaaaaaaaaa aagaaactta taaaatttca tataagtaat gtacaaattg 240
 aaaaataatt gataaacaaa atcatattga attcaagtcg ttaaaacaca cagtatatat 300
 aaaaatgaaa aaaaaacata atattaaaaa atacacggac atgcttaggg gtgaaatgcg 360
 tatagggtac aatataactt taaaagtact tgtattttct atttattatt ctata 415

<210> 6020
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 6020

agcttccatc acaaactn tatggttaga ttgttggttag aaataatata ccattgtttc 60
ttcaggataa ccaatgaatc tacacttata agaccttgcc tcaagtttat ctgtttgcaa 120
tcttttaaca taatcagggc aaccccatac cttgatgtgt ttaagacttg gtttctttcc 180
ttcccatata tcatatggag ttgtagagac tgcctttgta ggaactttat ttagcaagtt 240
ggttgttgct tctaaagcat atccccataa gtttaatgga agatcgggtga accccatcat 300
ggatcttacc atatctagta aggttcgatt tcttctttca gatacaccat tgtgtttgtgg 360
tggtcccgaa tgtgtccact gagagagaat ctcattctcc tttagataat caa 413

<210> 6021

<211> 403

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6021

gccctatcat ccttgtctcc gtgccttga atgtcctgc cagattcctt atcgtctnta 60
tgcacggaat caaaagctcc gaatccgctt tctctattat cttcaccact tgatcaacaa 120
cggctttgca agcaggagag ttgggcttaa acgcggattt ccttaattca gcatctttct 180
ctgccactgc tgtaatctcc atcaccgcca tagccgaatt gtactgcaca gcctccgttc 240
ctttttcaag aagaacagcg aaacagagca gtgctcttga ttcagtaatg ctacgacaaa 300
ttggcgagtt tcctttcgct aattgccaga gagccctgc tgccatttcc ttcattgttag 360
ccttagtcct aggatcctca tgatcccttc ctttcatgtt atc 403

<210> 6022

<211> 383

<212> DNA

<213> Glycine max

<400> 6022

tgctctattc aaccggagtg acaagaatat cttcttactg atcaaacatt gctcatggcc 60
aaagatgcgt gggagatcct gaaaaccact catgaaagaa cctccaaggt aaagatgtcc 120
agactgcaac tattggctac aaaattcgaa aatctgaaga tgaaggagga agagtgtatt 180
catgacttcc acatgaacat tcttgaaatt gccaatgctt gcactgcctt gggagagaag 240

atgacagatg gaaagctggg gagaaagatc ctcagatcct tgcctaagag atttgacatg 300
aaagtcactg caatagagga ggcccaagac atttgcaaca tgagagtgga tgaactcatt 360
ggttcccttc aaacctttga gct 383

<210> 6023
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6023

agcttcataa cagctntaat actctctcgt gagatngcac cctctggcca gtccaaccta 60
ccccctcgaa catacttctc tgcattgtcg ctacatgggc agagtaaaag atacactcgg 120
ttatgttcaa gttcaatcat ttgataaatt tgataataat agaaaattca caaggtaaatt 180
cacttactca actctcttta acatctgctg tgggtatagga ccaagcacc tctccatcat 240
agccagatgc tctaaatttt catgagtctg aaacaaagct tcaccctgca atagaagccc 300
ataagctgat ttaaacaac aaactggat aaaattggcc taaaagtatc cagagagcca 360
aacttacagt gcataattca accaatatac agcccacact ccatatatca catggatagc 420
tccaccaag tcct 434

<210> 6024
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6024

tttaccatn tatgtgagt aganattata taaatgtaa atttactcac actattgtta 60
tgattacttt tagaaccatt attatgatta tatgctataa aactatactc atatttctta 120
tgatttcaaa gttaagttaa ttattttata ttctactctt ttacttatt taaatattaa 180
taaatatgaa atatacagat tataagaaaa tatatgataa gctactataa taaatcataa 240
tatgtgatat attctatttt atgaggataa ccgcatgaaa actcaatatg tttaattctta 300
aaagatatc ataatactta ctaattgtat tgataatgaa ttatggataa taaattatca 360
aataataaca aatntatttc ataatgcaca agttgaatga atttcaattt aaataattat 420

aaatttatat ttactatact ctttctaatac tatacacat

459

<210> 6025
<211> 453
<212> DNA
<213> Glycine max

<400> 6025

agcttcatag gccttgtatg gtctgaaaca tgctcccaga gcttggaaca agagaataga 60
cacctttctc ttgcaaattg gattcatgag atgcactatt gaatatggtg tgtatgttaa 120
aggagaaagt ctttcatata tcctcatagt gtgtttatat gtggatgatt tactaataac 180
atgaaaggat tgcagtgtta tctcgacatt cagcaagag atgaagtctg agttcgaaat 240
gtcagatctt ggagaattat catattttct gggcatagag ttcaagatga caaaggctgg 300
aatttctatg caccaaagca aatacacaat tgatgtccta aagaggtttc agatgcttga 360
ctgccactca gtttcaactt ctgttgaaac tagtgctgtg ctggatcaat ctgggcttga 420
acaattggta gataagactg tgttcacacc aat 453

<210> 6026
<211> 476
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6026

ntgagcanat tcaaacgaca ataactnttt actcggatgt gtgattgagt cccgtaataa 60
atcgagacgc taaaattga atgttgaagc tctgagcaa ttcaaacgac aataacgttt 120
tactcggatg attgattgag tcccgtata taacgagacg ctcgaaattg aatgttgaag 180
ctctgagcca attcaaacga caataacttt ttactcggat gtctgattga gttccgtcat 240
atatcgagac gtcgaaatt gaatgttgaa cctctgagcc aattcaaacg acaataactt 300
tttactcgga tgtctgagtg agtcccataa tatatcgaga cgctcgaaat tgaatgttga 360
acctttgagc caattcaaac gacaataact ntntactcgg atgtcctatt cagtgcgta 420
atatatcggg acgctggana ttgaatgttg cacctctgag caaattaaac gacaat 476

<210> 6027

<211> 323
 <212> DNA
 <213> Glycine max

<400> 6027

agcgttgata ttccttggtc cggatacctc tctcttctca tgtgcaccca aaccaatct 60
 ccgggttcga agacaacctt ctttctccct tcgatggcgt tggtagcata gcttttactg 120
 tttctctcaa tgtgagcttt gactctataa tgaagcttgt tcacatagtc cgctctgct 180
 tgaccttctt tatgcttaaa aacagacaca ttaggcatag gcaaaagatc aagaggagtt 240
 agtggattaa aaccatcaac aacttcaagg tttaagacag aagactcata cgatgacgcc 300
 gatcgaacat tacctaatag aca 323

<210> 6028
 <211> 189
 <212> DNA
 <213> Glycine max

<400> 6028

ttgagctect ctgctgacca ccatacacac cttttgcctt ccatgccgag accctgagca 60
 attaagcagc ttgaaactta tgctgcaaac atttacaata gaccttctgc agctcagcag 120
 cgaaatcgac cacagcacia taattatgac ctctccaacc acagatacaa ccctgcatgg 180
 aggaatcac 189

<210> 6029
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6029

agcttaagct ccttgaacta cacaaggctc ttaatatttg aagagtatcc ttgtggaacc 60
 ttcacccgac aaagacactt gttagtgtt agctctacgg agctttaaaa gattggctaa 120
 gattttgtta aaacatgagc acttagacaa tgaaggaaag ctggagttgc tgcacatgat 180
 gtccaacgtt atgtcaagga ataagatcgg gctgcacatt gtacaaggca agataaaatg 240
 tcaaatgaag aattgaagtt gcaggatcca cgatgtcgga tacaatgtcc tgacatcctg 300
 cccgagaata ctggagttgc tgtacaatgc aagataaaag tcaagtaaag aagtgaagct 360

gcaggattca cgatgtcnga cacgatgtcc tgacatcttn gcccgatata ctggacatat 420
aanatctgta tatcttt 437

<210> 6030
<211> 486
<212> DNA
<213> Glycine max
<400> 6030

ctgaatgctc tattcaatgg agttgacaag aatatcttca gactgatcaa cacatgtaca 60
gtggccaagg atgcttgga gatcctgaaa accactcatg aaggaacctc caaactgaag 120
atgtccagat tgcaactatt ggccacaaaa ttcgaaaatc tgaagatgaa ggaggaagaa 180
tgtattcatg acttccacat gaacattctt gaaattgcc atgcttgac tgccttgga 240
gagaggatga cagatgaaaa gctggtgaga aagatcctca gatccttgcc taagagattt 300
gacatgaaag tcaactgcaat agaggaggcc caagacattt gcaacatgag agtagatgaa 360
ctcattgggt cccttcaaac ctttgagcta ggactctcg atagggtga aaagaagagc 420
aagaatctgg ctttcgtgtc caatgatgaa ggagaagaag atgagtatga cctggatact 480
gatgaa 486

<210> 6031
<211> 442
<212> DNA
<213> Glycine max
<400> 6031

gtgccaattc gtcttcttct ttagtccagt cttcttctgg cttcaatcca tcagtgggct 60
ttccttctgt gtccagcatc ttgggatgtt ccagccttt gatgacagct ttccagggtc 120
tgctatccag tgatttgagg aaggccacca tccttgcttt ccagtattca tagttgggtc 180
catccagaat tgggtggtctg ttcaactggtc ctccttcttt ctccatgttc atcagaattt 240
atctccctag gtctcactca gtgatttca gtgctgctc tgataccaat tgaaattctg 300
ataccaatgc cagatgtcgt acaggatgtc acgacatcac gcttcagaac atgcagatta 360
tctctgagt tatgaacaga ttaaacaagt aaataacaca agagaattgt aaccagttc 420
ggtgcaacct cacctacatc tg 442

<210> 6032
 <211> 430
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6032

agcttgagca nattcaaacy acaataactn tttactctga tgtctgattg agtcccgtaa 60
 catatcgaga cgctcgaaat tgaatgctga agctctgagc aaattcaaac gacaataaca 120
 ttttactcgg atgtctgatt gagtcccgtg atatatcgac acgctcgaaa ttgaatgttg 180
 aagctctgag caaattcaaa cgacaataac tttttactcg gatgtctgat tgagtcccggt 240
 aacatatacga gacgctcgaa attgaatgct gaagctctga gcaaattcaa acgacaataa 300
 ctttttactc ggatgtctga ttgagtcccg taatatatcg acacgcctcg aaatgaatgt 360
 tgaagctctg agcanattca aacgaacaat aacttttact cgggatgtct gatgagtccc 420
 gtaacatatc 430

<210> 6033
 <211> 470
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6033

agcttctgct taagtccctt gcaactgggt taccagggtg ngcttgataa tttcttagtt 60
 catatcgcaa gcaagcattt atccaccgca gatataccaa ttcttcaaga tctgaacatc 120
 gatcagactg aaattgctca atttccttca tcaagcgcac attttcttgt ttaagacact 180
 cactttcttg cttcacagca cctgcctgca ccccaaaagc ataagataaa aatttactgt 240
 taacaagcag tgactaaact aaaggaaaag agtacgtgac tataatcttc ctacctctgg 300
 gtcttccaga aatgcatttg caaggatctg ggtagaatcc aatcttcgag ctaagtcaga 360
 attntctatc tgcaatctta aaatagattt cctcaactct tctgcttcag actcaagata 420
 ctttagctnt tgcactnta tttgaatatc ttgatcataa gcagcatctt 470

<210> 6034
 <211> 361

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6034

 agctntacag caaatgccac tctactctca agtttttaaag gatattgttaa caaggaagca 60
 caagtatatt caccaggaaa acattgttgt ggaaggaaat tgtagtgtg tgattcaaaa 120
 gatccttcca cccaagcata aacaccctgn gagtgttaacc attccttggt caattggaga 180
 agtcactgtg gaaaaggcac ttatttattt gggagccagt attaatttaa tgccactctc 240
 catgtgcaga aggttgggag agttggagaa catgcccact aagatgactt tacaacttgc 300
 tgaccactcc atttccagac catatagagt aattgaagat gtgctggtca gagtaaaaca 360
 t 361

<210> 6035
 <211> 440
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6035

 agcttgtgag atcaatgggtt attacatacc tatcaaaagc aaggtcataa tcaatgcatg 60
 ggcaattgga agagatccaa atcattggag tgaagctgag agattttatc ctgagagggt 120
 cattggaagt tctgttgact accaaggcaa tagttttgag tacataccat ttggtgctgg 180
 aagaagaata tgccctggcc tcacatttgg gttgaccaat gttgagtttc cacttgcatt 240
 gctaattgat tattttgatt ggaaacttcc caatgaaatg aagaatgaag atttggacat 300
 gactgaggct tttggagtat cagctcgtag aaaagatgaa ttgtgcctca ttctatcac 360
 tttccatctt tagcctacac aagctctaca ataattagta aaagtaaaag agctgagaat 420
 aaagaanact ctatatctat 440

<210> 6036
 <211> 473
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6036

gctcaaactt gagatgatng gttāaagcag tacaaaactt gattttccta aagtgattac 60
ataaattatc aaagcaatct agaaagttgt actgattacc tagaaaatca tcacataata 120
ttgatactcc atacaaatga atcaagtgtt gtgtattttg gataaacaaa aagggttatg 180
agccatctaa atccaacaca tctcaaccca tgccgtggtg aaaaataaaa ctaactaaac 240
aaaaaatgct cctccggcat tgagccatct aagttatcga ctcaagtgtgc tctttgtag 300
taggggtgat gacgggtttt cttgtgagtt cttnctgcct tcatagtcaa tgtgcttgaa 360
atccaagatt gatttgattc agaggaatca tcatagagcc aacaacatag ccgaccatct 420
tccccacccg tccaaccgag aatgccttgg ctaggactat tagtacgtcc act 473

<210> 6037
<211> 446
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 6037

agctntagtg aagcttatca atacatcaat tattggtgtt tcccaggcaa tgcagatggc 60
agcgaatatg gctgtcttgg agcgtgcttg tgatttcttc tttcgccatg ctgcacagct 120
ttcaggtgtt cccttgagaa tgggtggagag aagcagaagg aacttccctc taagaaaagc 180
tcgtgatgct gctgaagaga tgctctctgg gctactcaaa gccaaagtgt atggatttat 240
gacattgatc gagaatgtaa attggatggg tgacgaggca cctcagagtg gaaatgaata 300
tgtaaacgag gtcataattt atttggaaat nttggtttca actgctcaac agatattgcc 360
ttctcaagtc cttaagagag tattacagga agtttttgct cacatatcgg agaagatagt 420
tgggacttta gttagtgatt ctgtta 446

<210> 6038
<211> 483
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 6038

tatcagaagg ggaatggtaa aataccacct caagctgata ttaagaaggt ggcaaagtgt 60
ttcttttgca agaagaaggg acacatgaaa agaattgcc ccgggttcca gaaatggctt 120

gagaagaaag gtaaataaat ctcattagta tggtatgaat ctaatatggt tagtgtaaat 180
 attaacacct ggtggattga ttctggatct actattcata ttgcaaattc ttacagggt 240
 atgcaaaacc taaggaaacc agtgggaagt gagcaaagca ttttatcagg caataagcta 300
 ggctcacatg tggaggccat tggaacttgc attttgactt taagtagtgg ctttatttca 360
 aaattagaaa ggactttnta tgtaccaagt ttttcccgaa acttgatttc tatttcaagg 420
 cttgtaccgt ttggatattc ctttaatttc aaagacacat catnntgagt tatttataat 480
 tct 483

<210> 6039
 <211> 476
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6039

agctntcatg actgtatgct caagaagcag atctgtgaca actcattctc atgattaaat 60
 ttccacagtt aagaacaacc tctgctttat gaatccttca aagggggaaa aatcaccttc 120
 attggttgca tcaacttgaa caaccatgca tgctctgaag aaggaagaac tgccggaatc 180
 ttcattttct tccagtccat gctaactaaa tcagttgatg ctgaataatc cctgataagc 240
 acatcaatat tttgtactct attcttaaca tttcttatct tctgagtttg gtcaatcact 300
 tctccttttg cattatTTTT caatgtaatc ctcttatcaa gactcaatcg tttggccttc 360
 ttattctggg ttctaaccac aatatcacia ttttcatcat catgttcatt accaaccttc 420
 ctctctctcc acaagactct ctogactnta ctatcaatat cttccatatt acaggg 476

<210> 6040
 <211> 495
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6040

acactatgat actaagctta tataatagaa gaaatataac aataaaagat ataaaacaag 60
 atagatntag cttaaaagtg aacttaata aatcataaat caaatacaac aatacaatct 120
 caattcatc ttcaatctca tgcaattgaa tcatgtaatg ttatgctgac tcaactccat 180

ggagatttct acaacttttg ggtagtcctt ataggcctca tcccctatca tggtttcact 240
 tttttaccac tcaaggtatt ccttgagctg accctgtgga caaagtatga ttntatcgaa 300
 tatagacaaa tatgagtatt agtttacttc tataaggtn taagacctta catacaacaa 360
 caacaacaac aacaacgcct tatcccacta ggtggggctg gctacatgga tcaacttccg 420
 ccataatgtt ctatcaagta ccatacttct atccaaacca ttaatttcga gatccttgtt 480
 tataacctct cttat 495

<210> 6041
 <211> 435
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6041

agcttgtaag taactctatg gacttaaact agctagccgc aaatgggatg agaagttgaa 60
 tttcttgctt ctccaacttg ggtttcaaca ttctatagtt gatcactcct ttttatcca 120
 tcacacagtt gattccctta ctactcgtgt atgtagatga catagtcatt gttggaaatt 180
 ctatggatat gataacttca ttcaagcaga ttttagataa tcaatttggg cattcttaag 240
 ttctttcttg gtgctgggtg tctcagtgcc aaacctgcaa gcaccccttc tgaacctacc 300
 tttgagactt cgccaagatg tcgctcctat acctgactnt cacacgcnca gatatatccc 360
 atgttgacca acaacttagt caattntcag cctcccaac agtgagtcac tatcaataag 420
 cccaacgcgt acttt 435

<210> 6042
 <211> 461
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6042

agctcttcat actntgatgt tatttcagct ctttccaagt tagcttcctt cagctgctct 60
 ttgagtttct ccacctcagc ctctaagct tgttcccttt cgggtttgtt actaagtcca 120
 gagttgagat tagtagtatc aaattcagca acaaaagtgt taaaagcctg gttttgaaag 180
 ttagttgtac tctcacgtac gcgatcttta tccttaaaca aatttatttc aaaatccttg 240

gagggtacag tatcaggctt gtgtaatttt ccatgtgtac tgcttttcac ggtatgagtn 300
 tgtgtgttaa ccactttgtt aggaccaaca tttntgggta actgttcggt ntcaggaaga 360
 atcctatcat gtntcgggtga aatatgggtg ctagatgggt cttcatcaaa aattgggtta 420
 ctcttatcct cagcaacaag tgattccttt gcatgctgag t 461

<210> 6043
 <211> 487
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6043

tccttaagaa gattcctaaa gaagctaaag cttagctaca catacctctc taatagctaa 60
 gctcacctcc ttgagatgag aagctagagc ttagctacac accccctata atagctaagc 120
 tcacccccat gaggaaaaaac atgaaaataa caaaaaaagt ccttattaca aagacaactc 180
 aaaatgcccc aaaatacaag gctaaaaccc tatactacta taatggccaa aatacaaggc 240
 ctagacgaag gaaaaaccta ttctaattatt taaaagata agcgggctca tacttagccc 300
 atgggctcga aatctaccct aaggctcatg agaaccctag ggcctttcct tggatctcta 360
 gcccaatcta cttggagtct tctagccaat gcccttgagg ngtaggattg catcattccc 420
 tccaccttgg aaaggatttg acctcaaate ccgaggttct tcatactctg ngctccttcc 480
 ctcaaca 487

<210> 6044
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6044

agcttctcat tngatccagc agaggaggag catacaacct atttcactca agtcacaccc 60
 acggaattca agcacaagag acttgggtcat tgtcatcttg aaagaatgct aaacatgaaa 120
 aaaaggaaat atgcaaaaaga aaatttgaag aagtttcaaa tggaggaatg caaatctgtt 180
 agcacaccaa tgaatcaaaa ggtgaagttc aacaaggaag aaggtgggtga taacattgat 240
 gaaggatatt gtgggagctt gattggatgt ctaatgtatc tcacttcaac aagggtcaaac 300

attctatattt ctaaaaagaa caaaactgga atttttgttg acaatcaagt agccattgct 360
 attgcaaaca atccccgtgtg tcatgggaag attaaaca 398

<210> 6045
 <211> 427
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6045

ngtaggggta aagtctcacg aatgtcacgt gctcatgcaa caattgtag ccgtggctat 60
 acgagacatc ttgccaaaca aagtcagggt agcgataact cgcttggtgct ttttcttcca 120
 tgctatatgt agcaaagtca ttgatccagt catgtttgat gagttggaaa atgaggcagc 180
 aattatactg tgccagtagg agatgtatct tccccctact ttctttgaca tcatgattca 240
 cttgattgtg catctgggtca gagaaatcaa atgttgtggt cctatttatc tacgggtggat 300
 gtacccggct gagcgataca tgaagatctt agaagggtat acaaagaatc tatatcgtgc 360
 aatagcatct attgatgaga ggtacattgc tgaagaagtc attggaattt gttcagaata 420
 cttagag 427

<210> 6046
 <211> 390
 <212> DNA
 <213> Glycine max
 <400> 6046

agcttgtagg gttaaagtct cagcattgtc acgtgctcat gcaacaattg ttagccgtgg 60
 ctatacgaga cagcttgcca aacaaagtca ggtaacgat aactcgcccta tgctttttct 120
 tccattctat atgtagcaaa gtcattgatc cagtcattgtt tgatgagttt gaaaatgagg 180
 ccgcaattat actatgccag ttggagatgt attttcccc tgctttcttt gacatcatga 240
 ttcacttgat tgtgcatctg gtaagagaaa tcaaagtgtg tggctcctgtt tatctacggg 300
 ggatgtaccc gattgagcga tacatgaaga tcttataagg gtatacaaag aatctatatc 360
 gtccataagc atctattggt gagaggtaca 390

<210> 6047
 <211> 423

<212> DNA
<213> Glycine max

<400> 6047

agcttagtga cataagccaa acacatggta ttgtctaata cccctatgaa agcccatcca 60
tgtcccaggt tccaagcaaa cacagccatt cccaccacc acacctgctc tccaaagtaa 120
tttgatgcc gagaataata ccacaaccct ttgtcaagaa tagggacctc cttgttcttt 180
ctactcacia agttgtaaag ctgagtatca gcaatgtatg ccgtgacaat gccagatata 240
cacacaacta tggctaccaa gtcccacatg ctgagaggct gggtcaccga gtggatgaca 300
tagaacggaa gagacaatcc aatcagaaac acctgcaagg ttgtcttgat gtaaattaaa 360
agtaaaagca agggaaaatg atgactaaga gtaaccttaa ttacctgctg agggacgtag 420
atg 423

<210> 6048

<211> 482

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6048

tcagtttaat tntaaaaatg gtctaactat catgggtgcat gcatgttgat tgaggaatgt 60
tgggatccaa cacctgttgt gagggccaaca ttttctcagg tcattgtacg gttggacaaa 120
attgttgcaa attgtcacia acaaggatgg tggaaagata cttttaaaact cccttggtat 180
ggttccttga cggatatcct tataaaattt tagattcttt gggtgaattc aaaacgggtga 240
agtgtaatat cttgaaatgc taaaatcaac catcccttgt gggttgtgtc tgggataggg 300
atgttttacc tcgggccatt ttagtccgat ttgagcaatg ctagttgcaa aaagactgat 360
attactgttc tacttgttga tgaaacttct ttgctgtttt cttaaacttg ctttaccatg 420
attcatttca atgtgtgtag gaaataaata acaaggatca taccacgtgg caaggaagac 480
at 482

<210> 6049

<211> 455

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 6049

gaatcggaca tccgtgtcan aagttatgac cattcaaata tgtcgagagt ttccgttgtg 60
caatttcgag ggtctcgata tattatgtcc caaattcgaa catccgtgtg aaatgttatg 120
accatttgaa attctagaga gtttccgttg ttcaatttcg agcgtctcga tatattatgt 180
accaaattcg gacatccgtg tgaaaagtta tgaccattcg aatttctcgt gagcttccgt 240
tgttcaattn tgagagtcta gatgagttat atacgcgaat cgaacattcg tgtgaaaagt 300
tatgaccatt caaatatctt gagtgcttcc gttgtgcaat ttcgagcgtc tcgatataatt 360
atgtccccc tttggacatt cgcgtgagaa gttatgacca cttcaatttg tcgagagctt 420
ccgttgttca atttcgagcg tctagatgag ttatg 455

<210> 6050
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6050

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gcttgctaag ggtagagaga ggaagactag agatttggat caagtaaagt gtgttaagga 120
tgaagaaggc aaagtcttag tgcattgaaa agatatcaag gaaagggtgga aggcgtattt 180
ccacaactta tttaatgatg gatattggata tgactctagc agtctagaca caagagaaga 240
ggaccggaac tataagtact atcgtcggat tcagaaacag gaagtaaagg aagcgttgaa 300
aagaatgagt aatggtaagg cgggtggggc agacaacata cctattgaag tgtggaaaac 360
tcttgagat agaggtcttg agt 383

<210> 6051
<211> 468
<212> DNA
<213> Glycine max

<400> 6051

gagaagcaag tcaaaaactc ttttcaaagt aaaaatgtta tttctacttc aaaaccctt 60
gaactacttc acattgattt atttgatccc tctagaatta tgagtttggg tggttaattac 120

tatgtcttag ttatagtgga tgattactca aggttcacat ggacatttgt ttttgaaaac 180
caaaaatgaa gcttttgatg cttttcacaa acttgccaag atgattcaaa aatgaaaatg 240
gtctttatat tgtttcactt agaagtgatc atcgaggatga atttcaaaaa tgagtctttt 300
gaaagctttt gtgaagaaaa tggaattcac cacaattttt cttccctaag aacacctcaa 360
cagaatgggtg ttgtgtggag aggaaaaata gatcccttga agaaggtgca agaacccttt 420
taaatggaac aaagctacct aagtactttt gggctaacgt tntagaca 468

<210> 6052
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6052

cgcatcaata taaccctnta attgtaactc agaatctctc cataagttag gaactcgtct 60
ttagttcttc tcaagtactt aagaatgggc tgaagtactt ttcaatgttc ctcaccgagg 120
tttactggat attgactagc tgcacttagt gaataagcaa cattaggacg tgtacaaatc 180
atgatataca tgatagctcc cactgcgctg gcatatggta ctctagtcac gcattctttc 240
tcttcatgag tntaatataa ttntgtaaga tgacccttgt gttgaatgtc ttcttatgac 300
ctttgttgct tgtttgataa ttggggagtaa tatagagatg atttatgatg aataacctatg 360
aaaaataggc atgttaagct tcaaaaattg cggttactcc ttttttaatt catttcatag 420
tttaaggaaac taattaaaat agaaggacac atgtgtaggg gactctgtta ttatt 475

<210> 6053
<211> 466
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6053

gcttaagaaa gagcctngag ggtaatgttc tcaacaatag ttgaattctc caaactgttt 60
attaatatat ctccattctg atttataatt tattgattca gttctcttga ctttcatgtg 120
aacaggatgat tgcagagtat ttgtccttag aagaagctgc tggaataaaa gagggattcc 180
agctgatgga tacaagcaat aaaggcaaga ttagcgtcga tgagctgcgt gtaggggtgc 240

ataaactagg tcaccaaatt cctgatgggg atatccaaat acttatggat gctgtgagta 300
 tttttcactt tatctggaaa cttttctttt ctgtttgttc tacaattgat gtgtgaagaa 360
 ataagtagtt tgggtctcttg tttttcaaaa ttntatgttc attgtaatat atcanactaa 420
 ttaattgcaa acttggtagg agttattagt ttataaatgc taacac 466

<210> 6054
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6054

agctnntgag cttgagcacc cacgagtgtt tcagcaccct agtaccaaga gtgtatgtaa 60
 agtttcttcg agccacactt ccaagagcag tgtagggggg tctgtnggtt cgagcgaggg 120
 gtttccggca gtattgaaaa caatgtggga caatgtgggt gtcgagggag cggtttctgg 180
 cagatttcag gcgggaggag aaagagaaca gcgactgcaa ggttttcag cgcacgggtt 240
 gtgaaatgcc aatgttttaa cttataaaca taacaacatc ggtnntttta ggataaccga 300
 tgtaactaa atatagttaa catcggttnt ggaaatcata taggttatat cggtnnttaa 360
 aaaatcgata ttaagatcaa ttccttaaca tcggttttca acatcgattt tgagaaaacc 420
 gatgtttac 429

<210> 6055
 <211> 477
 <212> DNA
 <213> Glycine max

<400> 6055

acatctaaac atccttcaat ttacaccaca atatgaaatg ttatcatcat atgcacagca 60
 actaaattat taagaaaaat agaagtgcag gctaaagaga tgtccaataa aagctaaata 120
 ataaataaaa tacattaaga atatcttaac acacgagttg ttataaatct tgtagtgcac 180
 atctttgaat tttaccgatg aaaaaattta ttgacaaatt caaaattctt aaatttaatt 240
 tagatatcat gaataattga aggccagtca tgtctttgta tataataaat cttatttctt 300
 ttatttttct tttcaaataa aaaatatata tataactttc tttatcccca aataaataaa 360
 atataattat tcttttacct cagaaataat ttttaactt aaattccgtt ttcactctta 420

taaatgtgtt agttttttgggt ctagtgtcta ttagttaatt atagctcgga cccatat 477

<210> 6056
<211> 473
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6056

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ctcaaaattg aatattgaag ctctaagcca attcaaacga caataacttt ttactcggat 120
gtctgattga gtcacgtaat atatcgagac gctcgaaatt gaatgttgaa gctctgagct 180
aattcaaacg acaataactt ttttctagga tgtctgattg agtcccgtaa catatcgaga 240
ccctcgaaat tgaatgttga atctctgagc caattcaaac ggcaataact tttttcttag 300
atgtttgatt gagtctcgta acatatcgag acgctcgaaa ttgaatgttg aagctctaag 360
ccaattcaaa cgacaataac tttttactcg gatgtctaatt tgagtcctgt aacatatcga 420
gacgctcgaa attgaatgtt gaagctctga cccaattcaa acgacaataa ctt 473

<210> 6057
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6057

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atatatcgag acgctcgaaa ttgaaaacgg atgctcgtag caaatgcaaa ccgcaataac 120
ttttaactcg gatgtatgat tgagtaccat aatagatcga gacgctcgaa attgaaaaaa 180
gaagttctga gcaaattcaa acgactataa ctttttactc ggatgtctga ttgagtcccg 240
taatatattg aggagcacga aattgagaac agaagctctg accataatca aaccaaata 300
actttatatt cggatttgcg attgagtccc gtaatatatg aagacgctcc aaattgaaaa 360
cagaagctct gaacaaattc aaacgacaat aactttntac tcggatgtcc gattgagtcc 420
cgtaatatat cgagacgctc ggaattgaga acagaagctc tgag 464

<210> 6058
 <211> 460
 <212> DNA
 <213> Glycine max

<400> 6058

ggtggaaggg gtctcccata tctcattgtg ttgcaaagtg atttctcttt gtttggggaa 60
 gcattctgtaa agcagatgga tattattaat agatgcttgg attctttttt gatatgtcta 120
 gttagaaagt ttcaatatct aaaactagaa tgttggtctc caagaatgtc aattcttctt 180
 ggggttggtga gttgagtggg ctatctgggt tatctcctat gttagacttg gggaagtacc 240
 tcggtgttat gtttttgcatt tgttaggaaga gtaaggacca ttatttttta tctcctagac 300
 cataacaaaa agaggctttc ctcttggaag gctaattctt tgtcattctc tggtaggctt 360
 accttgaccc aggcagtgat tgagacatta ccaacatata caatgcatgt gactcttctt 420
 cctatgagtg tgtgtactaa gttggaacga atggccaaag 460

<210> 6059
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 6059

agctatcgtg acattgatat ggtcataacc cttcacacgg atgtccgatt caggcgcata 60
 atatatcgag aagctcgaaa ttgaacaacg gaagctctcg agaaattaaa attgtcataa 120
 ctttccactc ggatgtccga ttcaagcaca tcacatatgg agacgctcga aattgaagca 180
 cggaagctct tgagaaattg aaattgtcat aacttttcac tcggatgtcc gattcaggca 240
 catcatatat tgagatgctc gaaattgaac aacggaagct ctcgagaaat tgaaatggtc 300
 ataacttttc actcggatgt ccgattcagg cacatcacat atcgagactg ctcgaaatga 360
 acaacagaag ctctccagaa attcaaagtg ttataacttt tcacat 406

<210> 6060
 <211> 459
 <212> DNA
 <213> Glycine max

<400> 6060

ttcgagcgtc tcgatataatt acgggactca accggacttc cgaacgaaat gttattgtcg 60

ttataatttg cagagagctt cggtttttaa tttcgagcgt ctcgatatat tacgggactc 120
 aatcggactt ccgagtga aa tgttattgtc gttcaaattt gctacgagct tcgattttaa 180
 atttcgagcg tcacgatata ttacgggact caatcggact tccgagtga atgttattgt 240
 cgttcgaatt tgctacgagc tttggtttta aatttcgagc gtctcgatat attacgggac 300
 tcaatcggac ttccgagtga aatgttattg tcgttagcat ttgctgagag cttcgggttt 360
 aaattttgag cgtctggata tattacggga ctcaatcaga cttccgagtg aaatgttatt 420
 gtcgttcgaa tttgctacga gcttcggggt taaatttga 459

<210> 6061
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6061

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 atatatcgtg acgctcgaat tttaaaaccg aagctcgtag caaattcgaa cgacaataac 120
 atttcactcg gaagtcctat tgagtcctcg aatatatcga gacgctcgaa ttttaaaacc 180
 gaagctcgta gcaaattcga acgacaataa catttcactc ggaagtctga ttgagtcctg 240
 taatatatcg tgacgctcga attttaaaac cgaagctcgt agcaaagtcg aacgacaata 300
 acatttcact cggaagtccg attgagtcct gtaatatatc gagaacgctc gaatttaaaa 360
 ccgaagctcg tagcaaattc gaacgacaat aacatttcac tcggaagtct gattgagtc 420
 ccgtatatat c 431

<210> 6062
 <211> 462
 <212> DNA
 <213> Glycine max

<400> 6062
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 atgaactctg attcttcttt ctgaccgaat gaagtgatat ctaacatcta tatgcttggt 120
 tctatcatga tgaacctgat ccttggacaa gcatataaca ctaaggctat cacagtagat 180

gtagcatat tcttgattaa tttcgagatc atttatcaga cctcttagcc aaattctttc 240
 ctttgcagct tcagtaagag ccatatattc agtctcaata gttgagaggg caacagaagg 300
 ttgaagtgtt gccttccaac tcaccaagca gccaccaagg gtgtaagcat accctgttag 360
 ggaccttctt ttgacaagat cagcagcaga atctgcatca taatagccag tgaggcaaca 420
 atctgagtga gatccatata tcagacctac atctacagtc cc 462

<210> 6063
 <211> 462
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6063

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 aacatcatct atgtgttttg gctcaatctc tgagagtaat gtgttatgct tgagagaatt 120
 ccttgtctgg actttgccct taggatcacc aatgatttga gactctggat gatgttttct 180
 caagaatcgt cctgttggtt ctctaacttc tttaggttta tcgtccactg gtgagttgga 240
 cacatgtttg tcttgactgg atgcaacaat agatttcacg atattttcta ttttcatctc 300
 tccaaaagac tcacttaggt ctaacattgt agtgtcagac ttgttgtaa attttacatg 360
 aatagccttt tccatatcaa ggttctagac ttgtacactc tatatgcctt ggacgattca 420
 gagtatccaa gtacgattcc aaaatcacat ttggagtcaa ac 462

<210> 6064
 <211> 475
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6064

agcttgagct tagctacaca tacctctcta atagctaagc tcacctcctt gagatgagaa 60
 gctagagctt agctacacac cccctataat agctaagctc acccccatga caaaaaaaca 120
 tgaaaataca aaaaaaaaaa gtccttacta caaagactac ttaaaatgcc ccgaaataca 180
 aggctaaaac cctatactac tagaatggcc aaaatacaag gccagacga aggaaatacc 240
 tattctaata tttacaaaga taatcgggct catacttagc ccatgggctc gaaatctacc 300

ctaaggctca tgagaaccct agggccttcc cttggatctc tagcccaatc tacttggagt 360
 cttctaccca atgcccttgc ggggtaggat tgcacagta agtatcccag cattacaatt 420
 atattcttgt gctnnttgca atcaaaacat tatgctctat tcttagcaac gtaat 475

<210> 6065
 <211> 477
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6065

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 ccatatcaga gagtatggtt tcttgaagct ctactaagcc atgctttgat tnttctctga 120
 tatcaccaag gaaacactga ctttcaaatt gatcagcaat caaattgtac actgcacaag 180
 caatagcgga cttccctatt accacaattc cataaatccc caccatgctt actccttgat 240
 tggatccaac atccaaaagt gagttcacct cttgcactct agactccaat ccaattggat 300
 aattagccac atgtaaaggg ctacgattta tctatctgga cacctcttca aaaattttct 360
 gaataacttc atgttcatac ctaccccaat acaaaatata tataaagtta aatcaaatgc 420
 atcaaatcca tgccccagtt cattcacaaa ttcaaattctc attatatctt tgtcatg 477

<210> 6066
 <211> 462
 <212> DNA
 <213> Glycine max

<400> 6066

aatacagaga aaaatagaac ataagcaacc ataaactaaa cagtatccct tgcagttacc 60
 tgcagctacg tcattcttgg catttttagt gactcttaca gtttcttgta gctcctccaa 120
 cttatggacc cttgatttgt cagccccaaa gctccatcta cataggtaaa gacaaatgca 180
 aacaataata tttaacatta atcataaaga ttaagaataa gagaaacatt ccttgtttca 240
 ctcatatcca tgctattcat ggtccttggc tccagatcca tgagcactgc ccttggcaca 300
 aaatatctac tggtttggat agctcaacta ctttagaaag tggttaattca ctcaagcaat 360
 gtgttcacat tcttaaagga accgcaacca tctcattcct acagccagca ctagacactt 420
 acaatctttt ttatgacatt attctactct ctgatagtca ca 462

<210> 6067
 <211> 348
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6067

caagcttttc tctgtacacc tacattccta tacatgaaaa acnttttttg tatacacacg 60
 tattattaata aaccctttct ctttatatca acacggtcta tataaaacat ctattccttt 120
 tcaaagattt ctttttcctt tttcaacata cactcgttgt tttataaaaa aattttcttt 180
 atatacactc attgctcaca caccagaatt tcttttcaca cattatttat acacacaaaa 240
 tcttttcata cactctttat atacaaaaac tcttttcttt tctttatata agatatgaca 300
 tttgttcaca acgcctcttt ctttttctat tcttggttgt atcatgat 348

<210> 6068
 <211> 343
 <212> DNA
 <213> Glycine max

<400> 6068

agcttcgaca ttcaatttca agcgtctcga tatatgacgg gactcaatca gacatccgag 60
 taaaaagata ttgtcgtttg aattggctca gagcttctac attcaatttc gagcgtctcg 120
 atatgttacg ggactcaatc agacatccga gtaaaaagtt attgttggtt gagttggctc 180
 agagcttcga cattcaattt caagcgtctc gatatatgac gggactcaat cagacatccg 240
 agtaaaaaga tattgtcgtc ttaattggct cagagcttcg acattcaatt tcaagcgtct 300
 cgatatatga cgggactcaa tcagacatcc gagtaaaaag ata 343

<210> 6069
 <211> 478
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6069

tcagagatct gctagaatat agcttcagcc tctctcttgt tggtgaggtt cttatcnagg 60
 tgccacttca tggctagcct tcgatatgct ttcttgagat cctcatcttt ggcgcttcta 120

tctacctgaa gaatcttgta gaagtccacg cccatgcttt ctctgttttt ttcttcactg 180
ctatgaaaca agataaagga ggaattgtga attatctcat atctctctct ctttacagca 240
tcatgatatac acgttccttc tgatacaata caggtaccgg gaggaataga tgctgatgct 300
gctgctagtc caatcccaaa tgtggtataa atatatcatt tatttataat cttatgttaa 360
tttaacctag ctaatagttg aataataata atcataataa taactataat aataataggg 420
taggtatata ttccttgaca ttcttttaac ttgtagactc ttatgtgata taattctt 478

<210> 6070
<211> 464
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 6070

ccatctatgc aatcaagggg ttcacaatca caatggaaat ttaattttca tcttttatta 60
cttacttgac caaattcact cacattctat aacatactac atatatgcta catctgatct 120
gatcatatct tactgatatt ttatatactag aaaattatat atatgtatat atatatatat 180
atatggcatc tttttaaatc aatacacacg agatgctgga gtttttggtt ccgtagtcag 240
aactcatgca cgtagagaga cagtatagtc aattaatatg ttaattagggt accctacacc 300
cacctgtttc caagaattcc atgtagctnt aagatgggat gtacttcttc tatgctgaat 360
ttcctctggt taatatcagg cctcaagtaa tttatccaac gaagcctaca actcttgcca 420
caccttaaca aacctaaca atcatatcat atcatataga taag 464

<210> 6071
<211> 465
<212> DNA
<213> Glycine max
<400> 6071

agcttgtaat gttcaggaat gtgtgaaagt tgctcttctt cttttgctac catcaacaaa 60
tccaatgctg aaacttacag gttattggtg ggtaaattag gggagggatc tgtgaccaga 120
ttcgatcagg atccattact tggtgaaaat tcaaagtgtc gttcttggtg taatgagcaa 180
tggtgtttta aagggttatga tcgaagggtg gtaattacca agtcaattgg gtctggcaat 240

gctgattttg atgaatcaaa cgttgttgga aacaaatttc acaagacaag aagagctaaa 300
ccattttgat catccagagc tacacacctt agaaataaac aggagatcc tttgtctcat 360
gtcggttaca ctgagctaaa gattacttcg gatactgagt ctgaaccgga tgtttcctta 420
tctgatgatg atggtagag cataccagtt cacggtacat atgac 465

<210> 6072
<211> 476
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6072

tctacttggt ctgtcttcat gcgattctnt ntactccctc caagaatatt atgtcgtaaa 60
tcacaacggt taaagtgtgc gcaattgaat ttcgaacaac atatccaaat ttcattgaaaa 120
tccaacggtt aacgaaaccg ggatcgtagt tttactgaga ccattttggg tttctgcggg 180
aaaagagaaa gctacggtac aaaggggtatt agctctgaca tgtttttaca attcccaacg 240
gtgaaaatgt tangaattgg gttgcgaaca tgggtgctcaa atttcatgac gatccaacgg 300
tgaataaatc cgagatcatt gtttttctga gataggtttg gttggctgcg ggaaaaagaa 360
aaggttttgg gaggagaagg agaaaaacga atatgagaga aataagaggt accgtcagtg 420
taaaaactga cctagcgcta tntatagcta gggctaactc atntatgtat ttatta 476

<210> 6073
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6073

agcttgcaga tggtttatcc ttggaatctt gtcgagaggt tgctacaaag taccctggaa 60
taaagtataa cgaaattatt gtggataact gctgtatgca gcttgtttca aagcctgaac 120
agtttgatgt catgggtatgt gtatttacat tctattctgg tttgctgctg tttatgcact 180
tatgtaatth tgtctaattgt atttatgcag taagcacaca cacccttgag ttaataactt 240
gtacaagaga aattagctga gaaatgagta gttgcacgaa agagagtga aagttataac 300
aaaagctaag ttgctctacg ataaatcatg ttgggtccaat caaagaatat ctttaaggta 360

attagaacat ataaaacgta ggaattgaga cctttccaaa tctggctggt atgttctnta 420
agattgttag cagtgggaaa atggatag 448

<210> 6074
<211> 490
<212> DNA
<213> Glycine max

<400> 6074

actcagcttc aagaaaagat ggcctcagca aattccttgt gtccagaagg gaattctata 60
aatagacctc caatctttaa tggagagggt taccactact ggaaaacccg aatgcaaatt 120
tttatcgagg cgatagatct aaatatctgg gaagccattg aaatagggcc ttatataccc 180
accacagtag aaagagtttc aatagatggt agttcatcaa gtgaaagcat aaccatagaa 240
aaacctatag atagatgggtc tgaagaggat agaaaacgtg tacaatacaa cctaaaagcc 300
aaaaacataa taacatctgc ctaggaatg gatgaatatt tcagagtffc aaattgcaag 360
agtgctaagg aaatgtggga cactcttcga ttaacacatg aaggaactac agatgttaaa 420
agatcaagga taaatgcact aactcatgag tatgaattat ttacaatgaa tacaatgag 480
aatattcaga 490

<210> 6075
<211> 413
<212> DNA
<213> Glycine max

<400> 6075

tggagaagtc ctctatgatt cgctgataga agcctgcatg tccaaagaaa ctctgatgc 60
ctttcacatt gactagtgga gggagctttt caatgacatc aatttatgct ttgtccacct 120
ctatcccccg agcggagatc ttgtggccta acactattgc ttccttgacc ataaagtggc 180
atttctccca gttcagcacc agatttactt taagcaatca gtagcattta ttaaggcctt 240
ctccaatggg gagtgaatgg ctaggtaatg cataacgaga tcgacttctt gctctattgc 300
ctgcaccttg aagcgtgtga tactatcact gggatgttat tttgcttcaa taagttgaag 360
agactttcta ttctcccact catttctaag ttccattcct atgtcctaac aca 413

<210> 6076

<211> 466
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6076

agcttgtgtc acaattcatt gtgacagtca aagtgccatt cacttagcaa atcaccaaat 60
 gtaccatgag aggacaaagc acatagatgt gaaactacac ttcacagag atgtgattga 120
 atctgagaag gtgaaggtag agaaggtttc aacagaagaa aacccgacta atatgttcac 180
 aaagtccttc tctagtgtca agttcaagca ctgcttggac ttgataaatt ttgaagatgc 240
 ctaaagcaga ttggtagaag tgcagccttg aatcacaagg tagacacttg ctgatttaga 300
 gtcaaggtag agatttgtgg tgtgtgactc anaatcacia atgacacaag tgagaagact 360
 ttaaagtaat gatgtcataa ctgttttcag ttattataac tgaattgggt ttggcaccaa 420
 agcatagcta gagtgtacat atatattctn gatcatgtaa tgcaat 466

<210> 6077
 <211> 464
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6077

ctgatggtgt cgagaagaaa tcacatgttt gtcacatca aaaaggggga gaatgttaat 60
 gtatgtatac atgattntga tgatgtcaaa gaagaatcta acaaggctgc ttcaaagat 120
 aagtatttgc ttcaagaata attcaagatt gcttcaacia acaaagcctt gtttcaagat 180
 tcactaaaga ccaagccttg ccttaaaaca aagtgttttc aagacatgca aggctctggt 240
 aatcgattac caggaagtgt aatcgattac cagaagacag ggttgagaaa tagctgttga 300
 aaaatgtttt gaatttgaat tttcaacatg taatcgatta ccatatgtct gtaatcgatt 360
 accagcaatg gaactttgga aattcaaatt caaagtcac aacctttcan attataactg 420
 tgaaattgat tacacaaaca ttgtaatcga ttatcagtgg aaag 464

<210> 6078
 <211> 459
 <212> DNA
 <213> Glycine max

<400> 6078

tccttattca attcaattat ctattttctaa ttttatatac tctataaaaa ggggagtgg 60
catgtaaaaa aatgttctca aaatttatgt aaaaacaaaa ttgtataaa tatattctaa 120
ttaaataaaa tgacaactct aaaacaagat aataaatcta aattcaaagc taagacagaa 180
cgtgtgtaat catttaaata aattcataaa tatataatct cgaagtgttg taataaaata 240
ctaaaattac agcaataatg gcatttatgt agataatgaa atttagtaaa tataaaataa 300
tttttgaata acttcaaagc taaccataat cattaggtgt gttaaataaa aaaaaaacct 360
aatattatga attactctaa agaacctaat ttatcatggc agtataaaca ctatagaaac 420
atccaacacg ttccataatc tatattatga taagtattt 459

<210> 6079

<211> 448

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6079

agttattaca aaaagtttta acttctggta atcgatatag cattntatct tagatataac 60
actttatata agaagcatgg tctattatct cgaacatcta caacactgtt ggatcaagt 120
acctcataat aattaagaag agaggggtga attaattatg aacgggtctt gactaattaa 180
aaaatttatc cttcttaatg ttgctagatt caatttggtt ttactactaa gttatgagaa 240
agtaaagaac agaaacaata acttagacaa aagtaaagca gaaataaaaa gtacacaacg 300
gaaagataaa aagcgttaga aagaagaaga caaacacaag atttatactg gttcggcaac 360
aaccctgtcc tacatccagt cccaagcaa ccaccgttc ttgagatttc caataacctt 420
gtaaaatcct ttacaagcaa agatccac 448

<210> 6080

<211> 457

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6080

gatgttctca aatgtaatat tggaacattt gcttgagct tagatatcgt gctaggtata 60

gatactaatt tcctctatca caaattggct ttagaccctt cggtaaagcc aatcatctag 120
 aaaaggagaa agttaaggga ggaaaaaatg aaaacaaatg ctgacaaaac aaaaaagttg 180
 atattacatt tcagagaaat tcagtatccg acctagctgg cgaatgtggt gatggtgaag 240
 aaatcaagag ggagtggaga atgtaggctg acttaacaaa tttaacaaa gcttgcccta 300
 aggatttgta tcccctacca aacatcaatt gtctagccaa tagggcctcg ggttaccaat 360
 tacttaattt catggatgcc tacttggggt ataatcgaat caagatgcat cccatggatg 420
 aggacaaaac aactnttcat cgtggacaat ccaatta 457

<210> 6081
 <211> 477
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6081

gcttatatag catagganaa atgagtgtta ctttaaattt aattacaatg tattttataa 60
 agattgtaca ttaaaaaaaaa tcagttatgt atattgcagt ttatataaag atagagtata 120
 aaaatgatgg gaatatatta gacactaact taaaagcaac tcataacatt aagccattat 180
 aaattcaaca taccgtacat tgataattca acatagtagc ctctcatatt ttatattatc 240
 ttcataatgt gctcaacatt ttcaaagcc gtacaatgta taggagataa attgaataaa 300
 aatagaagaa tcagataggt tgcagtgaag aggtcttttc ttgaagttat tgttggagta 360
 ttatacctag caaattgcta tacgtacaat gaatcatgaa gtcaaagtgt caatagagga 420
 taaccacat ctgtatgtag aatcatgtta aatattatat atggatttct gagagat 477

<210> 6082
 <211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6082

agctngagtt tatgaaaatg gacacaaata gtgggatgtt gagttagttt ttgggggatt 60
 tcaatttcaa atatgaaatg tgttcatttt attttgtgaa ggtttttgggt ccttctacac 120
 agcaaatgga tctttatgaa caagttgtta ctccaatagt taatgaagtt ctagagggat 180

ttaattacac tatattcgcg tatggtcaaa ctggtacggg aaaaatctac acaatggaag 240
 ggaaatgtaa aaaggccaag gtatgcttta gtgttttgat gttatccaca cgcagattaa 300
 tgagttaggt tagtgacttc atttgagtat tgtactacag agtggtccta atggaaagtt 360
 gcctctagga gctggagtta ttcctagggt tgtcaagtag attcttgaca cacttgagag 420
 ccagaatggt gtgtacaat 439

<210> 6083
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6083

agctngaagg taaactagat gccttggtta acctggtaac ccaactggcc atgaatcaaa 60
 aatatgcacg tgctgctaga ctctgtggtt taggctcttc tgccgaccac cacacagacc 120
 ttgccccttc tgtgcaacaa tctgaagcaa ttgaacagcc tgaagcttat gttgcaaaca 180
 tctacaacag acctcctcaa cctcaacagc aaaatcagcc acaacaaaat aattatgacc 240
 tctccagcaa caggtacaat cccggatgga ggaatcatcc cattcttaga tggtcgaatc 300
 cttcacaaca acaacaacaa caacaacaga cttattttca aaattctact ggcccaagca 360
 gaccatacgt tccttcacca atccagcaac aacaacaata gcaacagccc c 411

<210> 6084
 <211> 301
 <212> DNA
 <213> Glycine max

<400> 6084

ttcacccgac ggagacacta gcaaaaactg atcttctgct tcttggacaa acgcttgcag 60
 gctgggggca actaaattct ctctcccatc agaccttgga tgcaactgcg atcgataacc 120
 catatcagat cgatcttgac gggcattgaa accatgcttc gtgttgcctt gagatgctaa 180
 aaagcatacc aatacagtgt cacaaacatt tctctccaca tgcatgacat cattacaatg 240
 tgtaacgtca agatcacacc agtgctaacg atcaaagaaa atggacctct tcttccatat 300
 g 301

<210> 6085
 <211> 392
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6085

agcttaataa atctatatat ggtttgaaac aagccttcag atagtggtag cctaagtttc 60
 atgggataat ttcttcattt ggttttgacg aaaaccccat ggatcaatgc atataccaca 120
 aggtcaatga gaataaaata tgtttttttg ttttatatgt agatgatatt ttacttgcag 180
 ccaatgatca gggtttgcta catgaggatga aacaacttat ctctaagaat ttgacatga 240
 aggatatggg tgatccatct tatgtcatcg gcattaagat tcatagagat agagttcaag 300
 gtattntagg tctatcacag ganacctata ttaacaaaat tttatagaga ttccagataa 360
 nagattngtc atcaagtgtt gctcccatta tg 392

<210> 6086
 <211> 179
 <212> DNA
 <213> Glycine max
 <400> 6086

agcttttaag gagacagttt cgaataatgc tcttctttgt aatgacaatt aataagtctc 60
 aagggcaatc actatccact gttggacttt acttacataa accattgttt agccatggcc 120
 aattatatgt tgcaatatcc agagtcatat taaatattga tgtaaacgct aatatatga 179

<210> 6087
 <211> 385
 <212> DNA
 <213> Glycine max
 <400> 6087

tcttctttct tctgctctct ggagaatttt cttttattct cctcattcaa cagcgcccca 60
 gagtactggt aatcctctgg cttcataaac ggcaaccac cggggtgcttc cttgggaaca 120
 tcaaactgct gcccggaat ctctcaaga atttgataaa gaggagtccc caaaggcgca 180
 tgagtggcaa gaagcttcct cgctggagtc ctaatgggca catatgatgc ggggggatcc 240
 aaaaccttat acccctcttg aggaaacata gcatcaagct cctcatcagt caaggggcga 300

ttcctctctt caaatccctc tcccacctca acaaattgta ttgttcccga gtaatggagc 360
 cttgtaaagc cccaaggggtt ggagt 385

<210> 6088
 <211> 485
 <212> DNA
 <213> Glycine max

<400> 6088

atgaagacaa tcctatttag atgtggttct taaacaccaa gtacttcctg ctggacaatt 60
 ggcagagaac ctaagcattg ctactgtgga ttggcgtgat gttaggtcta tttgcctaca 120
 aatttgcgca gtataggaga aaagctgcat atgaggtgat gggccattgt gtatgcatgg 180
 ccaaagggtc tgcccaaaca cttaaattaa aggtgactaa aaaggaacat atgtatctac 240
 tttgttctaa tgtttgttga gacttagtag ctttcatagg tcaataaggt aatgaaagtt 300
 gaagtcgtaa gaacataatg agagtatttt ttttcagtgt atagctgtgg cagtaacaat 360
 tgaagttggt atacatggca tctaccatct tgcttgtgac tttcctcgcc ttcttgatgc 420
 aagtagtgaa caatacaagc tcatggaacc ttttttggag aacaaccctc atgttattgg 480
 ttttt 485

<210> 6089
 <211> 534
 <212> DNA
 <213> Glycine max

<400> 6089

tcatgctgaa gtatgtatgg caaaacttca ttactgttgt tgaacacata caagtgaagct 60
 tgtaaaaaat cttctacact tggagtgata acatgcagtc ctcttgatcc cttaccggct 120
 actctgtcgt catggcgata ctgaggaagg ccaacaggtt tagccttttc aatgtagtct 180
 gaacaaaatt caatggcttc ttctacaatg tatctttcaa caatagatgc ttccggggcg 240
 tgtagattct tcgtataccc ttttaagatc ttcatgtatc gctcaaccga gtacatccac 300
 ctcaaataaa caggaccaca acatttgatt tctctgacta gatgaacaat taagtgaatt 360
 atgatgtcaa agaaagtagg gggaaaatac atctccaact ggcacagtat tattgcgggc 420
 tcatttccag gtgatcaaac ttgacaggat caaggacttt gctacatatg tcatggaaga 480

aaatgcacaa gcgagttatg ggtaacctta cttttaggc aaaatgtctc gtat

534

<210> 6090
<211> 511
<212> DNA
<213> Glycine max

<400> 6090

agcttatgct gcaaacatct acaacagacc tcctcaacct cagcagcaaa aacaaccaca 60
acagaacaat tatgacctct ccagcaacag gtacaatccc ggggtggagga atcatcccaa 120
ccttagatgg tcgaatcctt cacgacagta gcaacaacaa ccttattttc aaaatgttgc 180
tggcccaagc agaccatacg tccctccacc aatccagctg caacaacagc aacagcccca 240
gaaacagcaa acagttgagg cccctccgca accttccctt gaagaacttg tgaggcaaat 300
gactatgcaa aacatgcagt ttcaacaaga gaccagagcc tccattcaga gcttaaccaa 360
tcagatggga caattggcta cacagttaaa tcaacaacag tcctagaatt ctgacagatt 420
accttctcaa tctgtccaga atccccaaaa tgtgagtgtc attacattga ggtcgggaaa 480
gcagtgtcaa ggacctcaac cagtagcacc t 511

<210> 6091
<211> 592
<212> DNA
<213> Glycine max

<400> 6091

gcttgattgt gtaagagtaa aaagtgattc ttaacaatac ttgtaacttg tgtgaagtta 60
gtgaaatttg atgattttcc aagaattgga cgtactctca atggtagaga tgaaccagta 120
taaaactttt tgcatttgat ctttcttgct ttcctttaag ttttatctaa ccaaagggtg 180
tgaatttggt tttagattta aatagatatc tcgtgttttc taaaaacatt tttacatcat 240
ctaatagttt ttttgaaaaa tctataatat gctctttaca aagttttatc agatgaaaac 300
tttgttttta gtgaaaaaag attttaaaat gtataaaatc agaattcaat cccattttgt 360
gatagttgcc tttacattaa ataaaaagta tgaaaatttt agatagataa taaaagctgt 420
agttaacat tttgttttca aaattcattt accttttaac ggttataaat atgaataata 480
gtacaattaa ccatggaacc gattgggtgt ttttttagta agcgtttttc catttccaat 540

taccctctta cctttgagaa' ctttaaccct tggagaaaaa aagcccaaac tt

592

<210> 6092
<211> 475
<212> DNA
<213> Glycine max

<400> 6092

tcaagaatta tggcctcatc aaactacttg tttcccgagg gaaattctat aaatagacct 60
cccatcttta atggagtggg ttaccactac tggaaaaccc gcatgcaaat ctttatagag 120
gcaatagatt taaatatttg ggaagccata gaacaaggac cttatgttcc ctctataata 180
gccggaagtg caacaataga aaaacctata gcagattgga ctgaggaaga aagaagatta 240
gtacaatata atttaaaggc caaaaatatt attacatctg ccttaggaat agatgaatac 300
tttagggttt caaattgtaa aagtgctaag gatatgtggg atacactaca ggtaacacat 360
gaaggcacia cagatgttaa aagatctagg atacacactt taactcgtga atatgaactt 420
tttaagatga atgtaaatga aggtatacca tacatgcaaa agagggtcac acaca 475

<210> 6093
<211> 496
<212> DNA
<213> Glycine max

<400> 6093

agcttaagct cttcaactg cacaaggctc ttaatatttg aagagtatcc ttgtggaacc 60
ttcacccgac gaagacactg acaaaaactt atcttctcct tcttggacaa agtatggcag 120
gctgggggca agtaaatttt ctcccatca gaccttggat gcaactgtga tcgtataccc 180
atatcagcta gatcttgacg ggtattcaag ccaccttca tcttgccctg aatgttaagg 240
agcgtcccaa tgacactatc acagacattt ttctccacat gcataacatc aatacaatgt 300
ctaacgtcaa gatcacacca gtacggaaga tcaaagaaaa tggacctctt ctcccatatg 360
caactttgac ttttatcctt cttttgggtc ttcccaaata cagtattcag gtgttcaacc 420
cgctgatata cctgtcacc agtcaacggg atcggcgcaa tataatgctc ttgacttcca 480
ttaaaagctt ttctca 496

<210> 6094

<211> 413
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6094

agctngtagg gttaaagtct cagcattgtc atgtgctcat tcaacaattg ttagccgtgg 60
 ctatacgaga catcttgcca aacaaagtct agttcaccat aactcacctg tgctttttct 120
 tccatgctat atgtagcaga gtgattgatc cagtaattgt tgatgagttg gaaaatgagg 180
 cctgaattat actgtgccag ttggagatgt attttcccc tgctttcttt gacatcatga 240
 ttcacttgat tgtgcatctg gtcacacaaa tcaaatgttg tggtcctgtt tatctacggg 300
 ggatgtaccc gattgagcga tacatgaaga tcttaaaagg gtttactaca aatttatatc 360
 gtgcggaaac atctattgtg aagaggtaca ttgcaaaag aaatcattga att 413

<210> 6095
 <211> 434
 <212> DNA
 <213> Glycine max
 <400> 6095

agcttgtggg gcaaaagatt acatctatac aaatgttttt ttgatggggc agcctccaag 60
 actccattaa gattccttgg gtgaggtggg acatagtctg cctacctaag agtaaagggtg 120
 ggtagggat caaagatttg attaaattca acgaggcttt gcttgctaaa tgggggtggg 180
 agttggcaaa taatcagaat cagttgtggg ccacaattct attgtgtaga tatgggtggtt 240
 ggagggattt gattttctcat aggaactgca gtttatactc ttcttgggtg aaagacctca 300
 acgctatatt caagcagcaa catagcaacc acaatgtgta aaaatagctt tattttgccc 360
 ataggtaaag acggtccatg gaatacaaac caagttctta ttggcttgac aaccaaaaaa 420
 acactcattg gaaa 434

<210> 6096
 <211> 516
 <212> DNA
 <213> Glycine max
 <400> 6096

tgtgcatcca ataccttgct gaggatgtcc catatgttct taaaactgga ctgattcatt 60

tgcttccaaa gtttcatggc cttgcaggtg aagacccgca caaacatttg aaggaatttc 120
 atattgtctg ctccaccatg aaacccccag atgtccaaga ggatcacata tttctgaagg 180
 cttttcctca ttcattagag ggagtggcaa aggactgggt gtattacctt gctccaaggt 240
 ccatcacgag ctgggatgac cttaagagag tattcttaga aaaaaatttc cctgcttcca 300
 ggaccacagc catcaggaaa gatatctcag gtattagaca actcagtgga gagagcctgt 360
 atgagtactg ggagcgattt aagaaactat gtgccagttg cctcaccat cagatttcag 420
 aacagcttct tctccaatat ttttatgaag gactcagtaa tatggagaga agtatgatag 480
 atgctgccag tgggtgggacc cttggagaca tgactc 516

<210> 6097
 <211> 527
 <212> DNA
 <213> Glycine max
 <400> 6097

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 agggcaaccc tgcataattcg cgtggtacca tggactatta tataaaaaata tttctgatca 180
 tcatcaataa gaaaaataca gatattgttg ataattaatt gaacaatagt atattaaaat 240
 caaataaata tcttgtgtca caaatatact gaaagcgcac tcaattcata ataataaagc 300
 aatcaaacgt acaatttatt ggtacaagag ataagagaaa gacacacatt ataatcatag 360
 ataaatTTTT acagcatgaa acaagggaat agaacacatc aatttcacaa tttcacatcg 420
 gaatatcaat tggctctggca aaaacagggc tttccaaaat taaaagccag agaacataat 480
 tgaattttat aaaacatcca aaaataaatc caaattgatc cctatag 527

<210> 6098
 <211> 588
 <212> DNA
 <213> Glycine max
 <400> 6098

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agtgtaaaga gaagaaatta gcacaccaat agaagtattg agttatatta aaactttaga 180
 ttcttttcca aatgttttaa ttgcatatag aattttattg acaatccctg taacaggtgc 240
 tattgctgaa agaagttttt caaaattaaa attgcttaaa tcatatctaa aatcaacaat 300
 gttacaagat agattgaatg agtttagctat tttatctatt gaaagtgaag tggtagaatt 360
 gcttgattat aaaactctga taaatgattt tgagcttaaa aaactaaata ttaataataa 420
 aattgatatt ttatattata tactaagtct cttttaaaat cttataagaa aaagaccct 480
 ttaacatttc ttctaggcc ctaaaaattt ggacatggcc tgtgggttcg atcgacttga 540
 aaaattttca atttttttt taaagaattc ggttttattt atttgggt 588

<210> 6099
 <211> 403
 <212> DNA
 <213> Glycine max
 <400> 6099

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 gctagagctt agctacacac cccctataat agctaagctc acccccatga caaaaaacat 120
 gaaaatacaa aaaaagtcct tactacaaag actactcaaa atgccccaaa atacaaggct 180
 aaaaccctat actactagaa tggccaaaat acaaggccca gacgaaggaa atacctattc 240
 taatatttac aaagataagc gggctcatac ttagcccatg ggcttgaaat ctaccctaag 300
 gctcatgaga accctagggc ctcccttgg atcgctagcc aatctacttg gagtcttcta 360
 cccaatgccc ttgcggggta ggattgcac atacacctta tgc 403

<210> 6100
 <211> 203
 <212> DNA
 <213> Glycine max
 <400> 6100

agcttgatgaa acatagttga cacagaattg atatcttctc tagatagaag cataatatca 60
 tctgcaaaag ccaaatgaga tagctgaata cttgcacagt tgggatgaaa tttaaaattg 120
 gcatcatcct tgaggctgct tatactctctg gaaaagtact ccaaacagag cacaacaga 180
 taatgggaga gaggatcccc ttg 203

<210> 6101
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 6101

cctctccagc aacagataca aatcctggat ggatgaatca cctcacctc agatgggtcca 60
 tcccttatca acaacaacag cagctgctcc ttcttcaaaa tgctgctggc cccaagctga 120
 ccatactttc ctccaccaat ccagcaacag caacaacctc aaaaacagac aacagttgag 180
 gcccctccac aacctttcct cgaagaactt gtgaggcaaa tgactatgca gaacatgcag 240
 ttttagcatg agaccagaac cttcattcag agcttaacca atcagatggg acaattggct 300
 acccaattga atcatcaaca gtcccaaaat tctgacaagc ttgccttttc aagctgtcca 360
 aaattccaaa aatgtcagtg gcat 384

<210> 6102
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 6102

agcttgaatc taattcacgt aatgataatc ttcatttctt tatacatgtc tcacaagcat 60
 cacatcccca agagtcataa gggtaactac tctgattctt gtggagtaaa attcttgtca 120
 atacgcataa cagaaataga ccttgggtccg atgatttata cataaaggac atgaaaaata 180
 gacaatacca tctttaactt atatattttg attgattaat atcttacata gggaatagaa 240
 agaaaaaata gacgactttt tcttggaaat ccgcatagga aaaatacaca cttccctttt 300
 tttctatcaa aacaatcaca attccttccc tccacacatt ccaacacatt gaacatggat 360
 cccaattcat tgcatttaca cagtttttaa tc 392

<210> 6103
 <211> 466
 <212> DNA
 <213> Glycine max

<400> 6103

agcttcaaca tcagaccact tccagggtgc tggaactact tcacatggat ttgatggggc 60

ctatgcaggt tgaaagcctt ggaggaaaga ggtatgccta tgttggttgat gatgatttct 120
ccagatttac ctgggtcaac tttatcaaag agaaatcaga aacctttgaa gtattcaaag 180
aattgagtct aagacttcaa agagaaaagg actgtgtcat caagagaatc aggagtgacc 240
atggcagaga atttgaaaac agcagggttca ctgaattctg cacatctgaa ggcacactc 300
atgagttctc tgcagccatt acaccacaac agaatggcat agttgaaagg aaaaacagga 360
ctttgcaaga ggctgctaag gtcattgctt atgccaaaga acttccttat aatctctggg 420
ctgaagccat gaacacagca tgctacatcc acaacagagt cacact 466

<210> 6104
<211> 374
<212> DNA
<213> Glycine max

<400> 6104

aacttggcat aatacattca gataccactt ttcttgacat cataatagga agtgaccttt 60
gccatacaa gatttgattg cgctactctc acagccaacc gagccattgc tttggggctc 120
aacaccgcct ttgatgggtt gctcaccaat ggcacaagca cctcccgta catcaacaaa 180
agtgtgagct gtaacagcaa catcagcaat gtgaatctgc aaaaggccaa caaatatgcc 240
gtcgtgccac tataccacta acacacctat caacttttga tgttaataaa cgcttttaac 300
aaacagacgg ataactcaat acccttttta tggaatctat cacaaaaatc ccaaggggca 360
atattaagtg ggctc 374

<210> 6105
<211> 510
<212> DNA
<213> Glycine max

<400> 6105

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tattgaaaca agttgttcaa tagactgcaa aacctttttt tttttgtctt tattaggatt 120
gaataatgca ccaagtttat tgttattgct gatgtgcata gatgttgaca gggctgatat 180
ttggtctttt gggattacgg cacttgagtt ggctcatggc catgcacat tttcaaaata 240
tcctccaatg aaggatttta catcccgtag ttgttcagag acaatgtcta gacacatgtt 300

aacattggac cgattgaagt tcatgtgata taatttgtaa taaaagaaaa agagagttca 360
 ctttttattt catgtatagg ttcttctaata gacaatgcag aatgccctc ctggacttga 420
 tgatcgagat aaaaagttct ctaaggtatt gctgttcttt ctttatgcac tgttacacaa 480
 gagtcatcat tatgatactt atagttttat 510

<210> 6106
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 6106

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 ttcatgtgtg tgctttcaga aacactagaa gaggcagtac catgaagtac tcgggaactg 120
 tcttgattag atgaagctct aggagtggat cgagctgaac cataattact tctgtcctgg 180
 tgttgagaag agctccttgt gtcaaactct tttggaccct tttcaacctt tgtgagcaca 240
 gaaatatctg atccactctc aaatcctgga tggcccaaaa tgcctttcaa ttccatatag 300
 cctgttgaat aattgggatc acccacaaca tttggaaagg catgctttgc tgagattcac 360
 cctatctctc attaactcat gagcgtattc ctcaccactc tgtgtggagt a 411

<210> 6107
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 6107

agctttcagc agggaagcta agtgtgaatt attctattct gcacaggatt ggagctgcta 60
 actgggttcc caccaatcat acttacaatg ttgccacatg ctcgggtgaa ctatataaag 120
 actaatggac cgctttcaaa gattaagcgg ggagatcgcc gtaaacaggc tatagcgcaa 180
 cttgcaacct tgtgtcggag gcttgaagct acacatcaac gtaccaaatt acgaacgtta 240
 gaacgagtca cgaccacaat taagactatg gctcgaaacg aggagaggcg gtggaacaca 300
 ggtaaacatt gcaccatggc aaaatcaciaa ggtatcttct atgtcctata aaaagcccta 360
 ctcacaagcc cagcacc 378

<210> 6108
 <211> 538
 <212> DNA
 <213> Glycine max

<400> 6108

agcttcaaca atttcaaggg agaaattcct aatgagctag cacatcttcc agaccttcgc 60
 tatctatatc tccatgaaaa ccgttttagct ggaagaatac caccggaatt gggcacactg 120
 caaaatcttc ggcacttgta attaatcaaa tcattttggt aatctcctat tgcagagtac 180
 actatttatc ttactcaatt gttcctcatt ataattataa tactgttatg cttatagga 240
 tgctggtaac aatcatttag tgggtaccat aagggaactc attcgtattg aaggttgctt 300
 tcctgcacta cgcaatctgt aagtattgct tgggtgaatta ttttcctcca tatagttcat 360
 ttgatcttaa ataaaatgca ttggtctcta aatattaatg agttttgttc tgtaaccagg 420
 tatctaaaca ataattattt actggaggaa tacctgcaca acttgctaac caaccagtct 480
 tgagatcttg ggagtgtttt tttttttctt tccttgggac cacttatcat tctcctcc 538

<210> 6109
 <211> 497
 <212> DNA
 <213> Glycine max

<400> 6109

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 ttttcgatca atatcgggtga ataataattt tttgccgagg tgggctaatt ttttcctggc 120
 cgaataaatg ggaacatgcc agtttcggcc gaaacgaaac atcggttgag ctcgcacgaa 180
 aaaacctagc cgacctacat tgtaagtttt ttatgcaaca ccgaaaaaaaa caaaatttcc 240
 cctgccgtaa gaaaaaacat tatcggccag cgagcgcggg acttgaaatt caagctccaa 300
 aaactaacc caggcaacaa ggggggttgag gagtatttca aggaaatgga tgtgctcatg 360
 attcaagcaa atattgaaga agatgaggag gttactatgg ctcgatttct taatggggtg 420
 actcatgata tccatgatat tggtgagctg caggaagttg ttgaaaggat gaattgcttc 480
 acaaagcaat ccaagtt 497

<210> 6110
 <211> 444

<212> DNA
 <213> Glycine max
 <400> 6110

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 ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttggttgat gatgatttct 120
 ccagatttac ctgggtcaac tttatcagag agaaatcaga cacctttgaa gtattcaaag 180
 agttgagtct aagacttcaa agagaaaaag actgtgtcat caagagaatt aagagtgacc 240
 atggcagaga gtttgaaaac agcaagttta ctgaattctg cacatctgaa ggcacactc 300
 atgagttctc tgcagccatt acaccacaac aaaatggcat agttgaaagg aaaaacagga 360
 ctttgcaaga agctgctatg gtcagtcttc atgccaaaga acttccttat aatctctggg 420
 gttgagccat gaacacagca tgct 444

<210> 6111
 <211> 448
 <212> DNA
 <213> Glycine max

<400> 6111

agcttgtaga acaccaaaga tgtaagacaa aattttgaaa gaagtgtaaa ttttgaaaca 60
 ataagagcta atatacaatc agatacctga aagtgataat ttatggtgct atgatcccta 120
 acaatgtata attagtcctt gttagattac atttatcttt acatgatctt gtatatatta 180
 ttacacaaaa acttatgatt ctgattgata tgtaattacc taataatcag taattgattg 240
 atatgtaatc aatattgatt ctgatttctc cattataaat aaagatgaga tgtgggtcatc 300
 taagacacaa aattacagta aaactaaaac actgctatat ggtatcaaag cttagggttat 360
 tcttgacaga ggaataacaa aattcgctct ccacaaccta ctgttccaga tggacctctc 420
 tgcttgtcat cctatccagc aacctatt 448

<210> 6112
 <211> 449
 <212> DNA
 <213> Glycine max

<400> 6112

agcttccccca agatctttca tttcaaaatt tttcgttaga aatctcttgg tctcctgtaa 60

gaagcctata tctatgctag gaggcagtat atcatcgata tataatacca aaaatatgta 120
 ttactcata ctgaacttat gatatacaca atcttcaact acatttgcct tgaaccata 180
 tgaggtaatg acttgatgga acttgtaata ccattgacgg gaagcctatt tgagaccata 240
 gatgaatttc ttcagtttgc ataccatgga ctttgagtca cctaacacaa atttttttgg 300
 ttgcaccata taaatcgttt cttcaatgtc accatttaga aacatagtct tgacatccat 360
 ctgatgtagc tctaagtcaa aatgagctac cagtgccatt atatttctaa aagaattctt 420
 tgaagatact ggagaaaaag gttttttta 449

<210> 6113
 <211> 454
 <212> DNA
 <213> Glycine max

<400> 6113
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 aaaatctctt caaaaactca gtctgagaga ttgttcaagt cttgaggagt tttctgtgac 120
 ttctgagaac atgggatgct tgaatttgag agggacatca ataaaagaat tgccaacatc 180
 actttggcgc aataacaagc tttttacttt ggttcttcat tcctgtaaaa aacttgtgaa 240
 ttttctgac agacaaaaac ttgaggatct gcctctcatt ttcaatgggg tatectctc 300
 tgaaagtcca aatacggatg aaccatggac tttgtcatcc ttagcagatt tatctctaaa 360
 aggaagcagt attgagaatt tacctgtaag catcaaagat cttcctagtc ttaaaaagct 420
 taccttgact gagtgcaaga aacttcggtc tttta 454

<210> 6114
 <211> 338
 <212> DNA
 <213> Glycine max

<400> 6114
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 ataactattc acacggttgt ccgattcggg cgcataatat gtcgagaggc tcggaattga 120
 acaacggaag ctcttgagaa attcaattgg tataactttt cactcggatg tccgattcag 180
 gcaaatcaca tatcgagacg ctcaaaattg aacaacggaa gtcctgaaa aattcaaag 240

gtcataactt ttcacacgga tgtccgattc aggcctataa tatatcgata cgcttgaaat 300
 taaacatcgg aaactctcgg gaaatgcaaa tagtcata 338

<210> 6115
 <211> 367
 <212> DNA
 <213> Glycine max
 <400> 6115

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 ttttaacagcc ttacgcattt acttgctgtc ttttttcaga atccttaaaa aagtgggtca 120
 caagatagtc tccattcaga gaaactttct ttggggagggt ggcaatgagg caacaaagat 180
 cccttgggtc aagtgggata cagtctgtct atttatgaat aaaggggggt taaggattaa 240
 agacttgaac aagtttaatg aagccttgggt tggcaaatgg ggctgggagt tcgtgaataa 300
 ccagaaccag ctatgggcta gaatcttgat gtctaactat ggtggatgga atgctttatt 360
 ctatggc 367

<210> 6116
 <211> 567
 <212> DNA
 <213> Glycine max
 <400> 6116

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 tgaggtctga actgtgaagt gtaatttctc aaataatcaa agttaaaaac atacacacac 120
 aaggcctcta tttatagctt aagagtcaca caaaattgga aggaaatttg aattacaatt 180
 taaatttcac ttgaatttga atttgtggag ccaaatttgg agccaaaatt tcactaatta 240
 tgattagtga atttcagcta tgggttcagcc cactaatcca agatcaagtc caagattctt 300
 cactaagtgt gcttagatgt catgagatat gtaaagcatg aaggatatgc acaaagtgtg 360
 actatatgat gtgacaatag aatgtaacaa gcaaatgctc acctccccct taagatgggtc 420
 cataatttaa ttggattgag cttctcctaa ttcaattaaa attctctctc aacacacaca 480
 ttcaatagtg cacttaatgc atgtgaaatt acaaaattac tcctaatacc aaaactaatt 540
 ttagtgccct aaatacaagg gctgaaa 567

<210> 6117
 <211> 445
 <212> DNA
 <213> Glycine max

<400> 6117

agcttgaata gcactataga tatccagggc ctcatgcca tcacgaatgc tacggactcc 60
 atatgcttgc cctttcgga caacaccatc acctatacat aaacaggtaa cccagtacac 120
 aataagcctt tagatattgc aagacaatgg taaagatttt agactaaatg gaagaaatgg 180
 acaaaatgaa aggaaaatta cttggaatct gatatgaaat ggggtgtgctg atagctcatc 240
 cattgtttcg gcatataaaa ataactgggg cctccaaaac tgttgcaaaa ttaaggcag 300
 catggaaatg tccctatcat tacacaatgc attagaatat aacaagcaaa ttttttttct 360
 taagttatca aagatctttg aaaatgattg ctgatgaaag gaaaaaacat tgtattgcat 420
 ccatttaaaa ggatgtggcc actgg 445

<210> 6118
 <211> 461
 <212> DNA
 <213> Glycine max

<400> 6118

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 ttttgggcct cccatgagag tctgaacttt taaagtggaa ttctcaaattg atcaaagttg 120
 aaaaaatgta cacacatgac ctctatttat aaaccaagtg tcacacaaaa ttggaggaaa 180
 atttgaattt ctattcaaat ttcacttgaa tttgaaactg aaatttgtgg agccaaataa 240
 gattggcgta tttctccaga gcaggttggg gtatttctct gcaaattcaa ttagcaataa 300
 attcaattag tgtgttggat aaatgacaat tgaaactcca aagcagttag tgtatttctc 360
 tgcagatttg cttataagag tgatcatatg aactcttgga ccgttacaca atcttctcaa 420
 gtatggggag taatttattt tacatgtaca gtttaaaaaa a 461

<210> 6119
 <211> 453
 <212> DNA
 <213> Glycine max

<400> 6119

tcattgtgaa gtatgtatgg caaaacttca ttactgttgt tgaacacata ctagtgagct 60
tgtaaaaaat cttctacact tggagtata acatgcagtc ctcttgatc cttaccgcct 120
actctgtcgt catggcgata ctcaggaagg ccaacagggt tagccttttc aatgtagtct 180
gaacaaaatt caatggcttc ttctacaatg tatctttcaa caatagatgc ttccgggcga 240
tgtagattct tcgtataccc ttttaagatc ttcatgtatc gctcaaccga gtacatccac 300
ctcaaataaa caggaccaca acatttgatt tctctgacta gatgaacaat taagtgaatt 360
atgatgtcaa agaaagtagg gggaaaatac atctccaact ggcacagtat tattgcggcc 420
tcattttcca ggtgatcaaa cttgacagga tca 453

<210> 6120

<211> 371

<212> DNA

<213> Glycine max

<400> 6120

gcttatgctg catacatcta caacagacct tctcattctc agcagcaaaa acaaccacaa 60
cagaacaatt atgacctctc cagcaacagg tacaatcccc ggtggaggaa tcatcccaac 120
cttagatggt cgaatccttc acgacagtag caacaacaac cttattttca aaatgttgct 180
ggcccaagca gaccatacgt ccctccacca atccagctgc aacaacagca acagccccag 240
aaacagcaaa cagttgaggc ccctccgcaa cttcccttg aagaacttgt gaggcaaatg 300
actatgcaaa acatgcagtt tcaacaagag accagagcct ccattcagag cttaaccaat 360
cagatgggac a 371

<210> 6121

<211> 445

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6121

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ttacggatca agtgaacaaa gagaaactga aagtggagta ctgctacaca tttgatcaac 120

ttgctgatat ttttaaccaa cccctcaaag gggagagggt taaaatgtta aggggcataa 180
 ttggcttgat gaacttagga gatcagaatt aaggaggagggt gtgagagttt aattttgttt 240
 tgtgtgggggt agatttggtt gtgctctgaa tataagagag agtaacagaa ttttaaaatt 300
 ctgttataag tactagccta agtgtgaagg gttattactc tgtttttgct tgtataaaag 360
 ggcatacata catcttaata aagaggattt attcattcta tcantttcag tctctagtgc 420
 tattcctagt angtgtgcaa ttctg 445

<210> 6122
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 6122

cgagcgtctc aatatattat cggcctgaat cagacatccg aatcaaaagt tgtggctgggt 60
 caaatatgcc atgtgcttcc atgttcaagg ttgaacatct cgatatatta tgcacctgaa 120
 tcgggcatct gagtgaaaag ttatgccata tgagttagcc gagagcttcg ttggctcgatt 180
 gcgagcgtct cgacatatta ttggcctgaa tcggacatcc gagtcaaaag ttatggcagc 240
 ttaaactctc catgtgcttc catgtttaat tttgagcatc tcgatatatt atgcacctga 300
 ataggacatg tgagagaaac gatatggcgt atgagagatc tgagagcctt cgttgcttat 360
 tttcgagcga ctccatatat tat 383

<210> 6123
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6123

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 aaagttatga ccatttgaat tgctcaagag cttccattgt tcaatttcga gcgtctcgat 120
 atattatgcy ccataatccg acctgagagt tagaatttat gaccatttga atttctcgag 180
 agcttccggt gttcaatttc gagcgtctcg atatattatg tgccctgaatc ggacctccga 240
 gttggaagggt atgaccattt gaatttctcg agagcttcca ttactcaatt tcgagcatct 300
 cgatatatta tgtgctctaa tcggacatcc gagtgaacg ttttgaccat ttgaatgtct 360

cgggagcttc cattngtcaa tttcgagcgt ctogatatat tatgcgcctg attcggacat 420
ccgagtgaag agttat 436

<210> 6124
<211> 297
<212> DNA
<213> Glycine max

<400> 6124

agcttgtaca cctctgtttc tctaccttc atcacaacc ctggtggtg agtgacaaaa 60
acttcttctt ctagtgagcc attaagaaat gcagatttta catccattg gtgtatttcc 120
cagcaatcgt agctagccat tgctattaca agtctcactg tttccaacct agcaacaggg 180
gcaaatagtt catcataatc cagaccttgc ttctgcagaa atccctttgc aaccagtctg 240
gctttgaact ttgttacttc tctctagaa ttcaacttag tttttagac ccattta 297

<210> 6125
<211> 331
<212> DNA
<213> Glycine max

<400> 6125

agcttgtgcc ttttcacgtc tggaatgtga atgttgcta tacatccaaa gacccttagg 60
tgctttgttg atggcttctt accgttccaa gcatcaattg gagtcttgc ttttacagac 120
ttatttagac atctgttgag tatgtaaaca gactgtaga ctgcttcagc ccaaaatgcy 180
ttaggtagtc ccttatgctt gagcatcgat ctagccattt ctataactgg gcgattcttt 240
ctcttggaac ctccattttc gtgaggagaa tacgcgactg taagtgtgc ctcaatacca 300
tcacctcac aaaatctttc aaactagcga g 331

<210> 6126
<211> 401
<212> DNA
<213> Glycine max

<400> 6126

acaatggcag tgcaatctta ctaatatcct gtatgaatct cctataaaaa cctacatgac 60
caagaaaaga acgcatttcc tgcataaaag cgaggtaagg tagagaagta ataacatcaa 120

tcttggcctt atcgacctca atacctctaa tagataccaa atgccctaag attatatgta 180
 accacatggt acaaaaaacta ttgttaagag taaagaccct tcccgtggcc tttggacgtc 240
 tagtttggtc attcagaccc ccaccattct gcttcttctt gggatatagg caatctcttt 300
 gaatatgcct tttctgtctg caattgaaat aggtcatgtc ttcacgcaca taatttgagg 360
 agatgtgcct tggcttacca cacttgtaac aagtgatctg a 401

<210> 6127
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 6127

gcagcttaac attaatctca gcgctctggt aaatactgga ctcaatcaga catcggagta 60
 aaaagttatt gtcgtttgaa ttgcctcaga ggttcaacat tcaatttcga gcgctctgat 120
 atatttcggg actcaatcag acatccgagt aaaaagttat tgcgttttea attggctcag 180
 aggttcaaca ttcaattttg accgtcccga tatattacgt cactgaatcg gacatccaag 240
 taaaaagtta ttgctgtttg aatttgcctc aagcttaaac attcaatttc gagcgtctgg 300
 atatattacg ggactcaatc aaacatacga gaaaaatgtt attgtcggtt gaatttgctc 360
 tcagcttcaa cattcaattt cgagcgtccc gattattacg agagtc 406

<210> 6128
 <211> 457
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6128

ttgccggcgc tccataaacg ttattgctta cgctgttcg tgggtcctcc actttcgagt 60
 ttggagctgt gatccatgat tgcctaagag aagaccctca agcaaactct ccattcttac 120
 cctttttcgg agcccatga atgaattgca ttgtcattca tgtgtcttcc atttttgagt 180
 ttggagctgt gttccatgat tgcctaagag aggaccctca aggcaactct ccattctcat 240
 ccttttccgg agccacatga atgaattgca ttgtcattca tgtgtcctcc actttngagt 300
 ttggagttgt gttccctgan ttcctaagag aggaccctca aggcaactct ccattctcat 360

ccttttccgg agccacatga atgaattgcg ttgtcattca tgtgtcctcc actnttgagt 420
 ttggaagtgt gttccatgat ttcctaagag aggaccc 457

<210> 6129
 <211> 444
 <212> DNA
 <213> Glycine max

<400> 6129

cgtgaacttg ccaaactctcc tttctttata ctaactctct tggtttcatc caaaggcagg 60
 tccaaccaat acgtaacatc atcatcatca ttggaaccac cttgtggaag gttagagcca 120
 tttggttcta ttgaactctc ccttatgaca ccctttcttt tctcaattag tactgctcca 180
 ttagtgaaaa accaatccac agaggaaggg aggtactcct ccataggatg caagtacata 240
 tatggggaat atgccttgat cattgcctta atttgggata aattgggcat gtaagaaaag 300
 ctacccttgg tatttttcaa acaagaaata ggtaaagctt tggaattagt ccctcctcca 360
 ctctgagcta cgaaagttcc tacactaacc ccttgagctt caatgcctct cttgattggc 420
 ctaacatcat acacattgaa cctc 444

<210> 6130
 <211> 445
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6130

tctgggtgga catcttgact tgctttccaa tctgacattc tccacagatt ctgccttctt 60
 ctattttcag attggggatg cctctaacag cacctttgtc aatgattttc ttcatgcctc 120
 ttaagtgcag atgtccaaat ctttgatgcc atattctgac ttcattcttct ttggaggata 180
 gacatgtgga ggagtagctg gtttcttgag gtgtccatag gtagcagttg tcctttgatc 240
 tgctgccctt cattagaact tcaactcttct catttgtcac caagcattat gactntgtga 300
 agtttacatt gaatccttca tcacacagct gactgatgct gatcaagttt gcagtcagtc 360
 ccttcaccag cagtactttg ttcagactan gaagtccatc atgaactagc tttcccatc 420
 caatgatctt tccttttagag ccac 445

<210> 6131
 <211> 323
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6131

agccgtggct atacgagaca tcttgccaaa caaagtcagg ttagcgataa ctcacctgtg 60
 ctttttcttc catgctatat gtagcaaagt cattgatcta gtcaagtttg atgaagtgga 120
 aaatgaggcc gcaattatac tatgccagtt ggagatgcat tttccccctg ctttctttga 180
 catcatgatt cacttgatgg tgcattctgt cagagaaatc aaatgttgtg gtccctgtnta 240
 tctacgatgg atgtaccggg ttgagcgata catgaagatc ttaaagggtt acaaagaatc 300
 tatgtcgttc agaacatcta tta 323

<210> 6132
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6132

tgtaagtctg attgctggaa tcttgctatg aaatctgagt tagatgctct tgcacccctca 60
 aacacttggc ctattgttga tctgcctgaa ggtaagcaac caattgggtg caaatggggtt 120
 tacaagatca agcatcatgc tgatggatcc attgaacgat acaaggccccg tttgggtggca 180
 aagggataca ctcaactaga ggggtgtggat tattttgaca ctttntcacc agttgctaag 240
 cttaccacaa ttgcaccct tctatctgtg gctgctatta aggactggca cttagaacaa 300
 cttgacgtca acaatgcttt ccttcatggg gatctgcatg aggaagtata tatggatctg 360
 cctcctgngt tcttactgcc tgggtcttct tctaataaag tctgcanatt acataagtcc 420
 ttatatggac tgaaac 436

<210> 6133
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 6133

ttgaatgcac tattcaatgg agttgacaag aacatcttca gactgatcaa cacttgacac 60

gtggccaaag atgcatggga gatcctgaaa atcactcatg aaggaacctc caaagtgaag 120
 atttccagat tgcaactctt ggctacaaaa ttcgaaaatc tgaagatgaa ggaggaagag 180
 tgtattcatg acttccacat gaacattctt gaaattgcca atgcctgcac tgccttggga 240
 gagaggataa cagatgataa gctggtgaga aagatcctca gatccttgcc taagagattt 300
 gacatgaaag tcaactgcaat agaggaggcc caagacattt gcaacatgag agtagatgaa 360
 ctcatgtgtt ctct 374

<210> 6134
 <211> 341
 <212> DNA
 <213> Glycine max

<400> 6134
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 aaaagttatt ttcgttttaa ttggctcaga ggttcaacat tcaatttcga gcgctctgct 120
 atattacggg actcaatcta acatccgagt aaaaagttat tgcgtttga attggctcag 180
 agcttcaaca ttcaattttg agcgctctga tatatgacga gactcaatca gacatccgag 240
 taaaaagtta ttgtcgtttg aattgtctca gaggttaaac attcaatttc gagcgctctg 300
 atatgttacg ggactcaatc agacatccga agaaaaagct a 341

<210> 6135
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6135

ctaagcttga atccctccat gtttcacaaa gcagttcatc agacccttgt gaaaaagtag 60
 caatggaaga gtttactctg atgaatctag atgggggaaa gaaccttgca atgaattttt 120
 cctccacctc ttccaagtg ttgaggcttt tgtttggatg tgattaaagc catgttttta 180
 ccttacctgc caaggagaat gggaaatctc taaggtagac aactttagca tcttcgtag 240
 aagctcccat ggtactgcaa aattccatga aggtagacag aggtgtgtat ggatcttcat 300
 gatccatttt agcaaaaacgg tgtgagccaa tcagactgag aagtgttggc ttcaattcca 360

caaccttggt gctgaaagga ggaatgactc tgggtgtgta atgctttggt ccttggtgat 420
aagcatagtc accaagagtc ctncatgggtg atcta 455

<210> 6136
<211> 329
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6136

tgagctcggc ttgagttgaa tacgtaaagc ttgagttgac atatgctttg ttttaaggctc 60
tgctcgactt acataaaagt ctgacttacg agcctattta aaagcttgct taaagacgtc 120
ttttattaat taattatttt aaaacctagt gaaataactaa ctaaaaaaag aaacttataa 180
aatttcgtat aaataatgta caaatctaaa aataattgat aaacaaaatt atattgaatt 240
caagtcgtta aagcaciaag tatataaaaa aaataaaaat agcataatat taaaaaatgt 300
atggattaga gatgatntac actaatata 329

<210> 6137
<211> 408
<212> DNA
<213> Glycine max

<400> 6137

tatgctgcat acatttatca tagacctcct cagcagcaaa accaacaata gcagaataat 60
tatgaccttt caagcaacag atacaatcca ggttgaggga atcatccaaa tctaagatgg 120
acaagtcttc cacaacaaca acagcctgtc cctccttacc agaattgttg tggtccaagc 180
aagccacatg ttctctctcc aatacagcaa cagcagcaac aatcacaaca aagacaacca 240
acaattgagg ctctctctca accttcctta gaagagttag tgagggaat gaccatccag 300
aatatgcaat ttcagaaaga gacaagagcc tctattcaga agttgacaaa tcagatggag 360
cagatggcta ctcagttgaa ccaagctcag tcccaaaatt ctgacaaa 408

<210> 6138
<211> 391
<212> DNA
<213> Glycine max

<400> 6138

agcttaaata tgagcagatg ttatcagacc ttacaaagaa tcacctgcta agaaaagttg 60
 tcgcatgtaa gttgatgcta attccttttt ctgctactaa cagataagtt acttattgga 120
 aattatgttt tctttaatac ctttctatta atgatatttg gttacaacta cagacatgta 180
 cacagtggaa ttccaaaaac gaggacttcc tcatgtccat ttatttttat ttttacatgc 240
 caacaacaaa tatccatctc caaacgatat tgatcatatt atatcagcag aaataccttc 300
 acagaaagat gatccagaac tctataaatt agtgcaaaat cacatgggtc atgggtccatg 360
 tggaaatttg aggcccgcac ctctatgcat g 391

<210> 6139
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6139

ntgaatgctc tattcaatgg agttgacaag aatatcttca aactaatcaa cacatgcaca 60
 gtggccaaag atgcatggga gatcctgaaa accactcatg aaggaacctc caaagtgaag 120
 atgtccaggt tgcaactatt ggctacaaaa ttcgaaaatc tgaagatgaa ggaggaagag 180
 tgtattcatg acttccacat gaacattctt gaaattgcc aatgcttgac tgccttggga 240
 gagaggataa cagatgaaaa gctgggtgaga aagatcctca gatccttgcc taagagattt 300
 gacatgaaag tcaactgcaat agaggaggcc caagacattt gcaacatgag agtggatgaa 360
 ctcatgtggt ccttcaaac ctttgagcta tgactctcgg atggagctga nnagaagagc 420
 aagaacgtgg cgttcgtgtc caatgatg 448

<210> 6140
 <211> 352
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6140

ntgagcaaat tcaaacaaca ataactntnt actcggatgt ctgattgagt cccgtaatat 60
 gtcgagacgc tagaaattga ataccgaagc tctgaacaaa ttcaaacgac aataactttt 120
 tactcggatg tgtgactgag tcgcgtaata tattgagaca ctcgaaattg attatcgaag 180

ctctgagcaa attcaaacga cagtaacttt ttactcggat gtctgattga ctcccgtaat 240
 atatcgagac cctcgaaatg gaataccgaa gctctgagat aattcaaacg acattaactt 300
 ttactctga tgtctgattc agtcccgtaa tatatcgaaa cgctcgatat tg 352

<210> 6141
 <211> 303
 <212> DNA
 <213> Glycine max

<400> 6141

ttcttaccba tggaaactcc taatatctcc cacactcttt gtggtgggcc attcttggat 60
 ggccttgatt ttctcagggc ccacttggac cccatttcta ccaactacaa tacctaagaa 120
 aactatatta tctacacaaa aggtacactt ctctatattt gcatagaggg tgtttttcct 180
 aaagactgaa agaacttgcc tgagatgtcc taagtgatca tctaggctcc tactgtacac 240
 taaaatatca tcataataaa caactacaaa tctacctatg agatccctta agacatgatg 300
 cat 303

<210> 6142
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6142

tgtgcatcca ataccctgat gaggatgtcc catatgttct ttcttgtgaa gacccacaca 60
 aacatctgaa agaattctca tattgtctgc tccaccatga aacccccaga tgtccaggag 120
 gatcacatat ttatgaaggc ctttctcat cttttatagg gagtggcaaa ggactggctt 180
 tattaccttg ctccacggc catcacgagc taagatgacc tcaagagagt attcttagaa 240
 aaaatattcc ctgctttcag gaccacgacc atcaaaaaag atatttcatg cattagacaa 300
 ctcagtggag agagcttata tgaatactgg gagagattta agaaactatg tgctagtgtc 360
 catcaccacc agatttatga gcagcttttc ctccaatatn tttatgatgg acttagcaac 420
 atggagagaa gtatgataga tgct 444

<210> 6143

<211> 454
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6143

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 acgaagacac tgacaaaaac ttatcttctc ctttttggac aaagtatggc aggctggtgg 120
 caagtaaatt ttcattccat cagaccttgg atgcaactgt gatcgtatgc ccatatcagc 180
 tagatcttaa cgggtattca agccatcctt cgtcttgcct tgaatgttaa ggagcgtccc 240
 aatcacactg tcacaaacat ttttctccac atgcataaca tcaatacaat gtctaacgtc 300
 aagatcagac cagtacggaa gatcaaagaa tatggacctc ttcttccata tgcaactctt 360
 acttttatcc ttcttttggg tctttccaaa tatagtattt aagtgtngaa cctgctgata 420
 taccagctca ccaatcaacg gtatcggtgc aata 454

<210> 6144
 <211> 396
 <212> DNA
 <213> Glycine max
 <400> 6144

agcttcaaga aaaagatggc ctcagcaaac tccttatttc cagaaggga ttctatcaat 60
 agacctccaa tctttaatgg agagggttac cattactgga aaaccggaat gcaaattttt 120
 attgaggcaa tagatctaaa tatttgggaa gccataaaaa tagggcctta tatacccacc 180
 acagtggaaa gagtttcaat agatggtagt tcatcaagt aaagaataac tatagaaaaa 240
 cctagagata gatggtctga agaggataga aaacgagtac tatacaactt agaagccaaa 300
 aatataataa catctgccct gagaatggat gaatatttca cggtttcaaa ttgtaagagt 360
 gctaaagaaa tgtggaacac tcttcgataa cacatg 396

<210> 6145
 <211> 308
 <212> DNA
 <213> Glycine max
 <400> 6145

agcttgactt ggatatacaa gcgtctagtc gcaaagtctg cagccattgc tggtaacca 60

cgctcaagag caaactgaat ctgattttca tgaacatcct tgggagcaac agacatggtg 120
 acgacattcc gtgacagtaa gtacgcacca aaactagcaa caccacagcc aacatcaaga 180
 accaccctta tatgcttacc aaaagtaata tcaggaatca tctacaatca caaatgtcca 240
 acatcagatt cctataagat gcacctacat tctcctaaca aaaaggtgaa accaaaacca 300
 aagcatac 308

<210> 6146
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 6146

ctcgaccgg gatccttaag tcacctgcag ctgcagcttg tacaagccca aagttgctca 60
 cgatcatagc ctccaggtct tttgtttctt cgatgatggt gacaatatat tcacaattta 120
 gatctaacga tctaagaatt ttctccataa tgtttacatc atcaagcttt tcaccacttc 180
 tcttaagatg attggtgatt gctaagactc tagagaaata gtcggagatg acttcacctt 240
 ctctcatatg caaggtttga aacttaactc ttacactatg aagacgtacc ttcttgatcg 300
 gatctgctcc cttatacgag gggtgaagct tctcccaggc ttctttcacc gactttgctt 360
 ctgaaacctt cttgaaagca tcatcatcta atccttgata ga 402

<210> 6147
 <211> 374
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6147

tctagagggt gtgcttatct accccatctc tgacagtgcg tgggtaagcc cagtacaggt 60
 agttccaaag aaaagaggaa tgacagttgt ccaaacaag aagaatgact tgataccac 120
 tcggactgtc actggctggt gaatatgcat caactaccgc aagctgaatg aagccacaag 180
 gaaagaccac tttcctctgc cttcatgga tcagatgctg gaaaggcttg tgggacaggc 240
 atactattgt ttcttgatg gatactcatg ttaactaaat tgtggtggac cccagggatc 300
 aagagaagat gacctctaca tgcccttttg gtgtctntgc ctacagaaag atgccatttg 360

<210> 6148
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 6148

agcttgtcaa gcagtgtggc ttgattcttt ttacaggaa ctgaagatca aagaagaagg 60
 tccagttgag ctatatgtag ataacaaata tgcaatcaag ttagccaaac attcaattgc 120
 acatggaaga tcaaagcaca ttgaaaccaa atttcatttc ataagagacc aagttgcgaa 180
 ggggaaattc aagttgaagt tctgcagatc aaaagatcag cttgccgata tatttaccaa 240
 gtccttgaaa tctgaaacct tcaaaaacag agaagcatgc tgaatattgg tgatagcacg 300
 aactagctt aaggggggtgt gttaaacatt aagaataaat aagctaggta ttgaatgata 360
 tagatattgc cacgtgtaat aagtactctc ctatatgctg aaccatattg agtattaact 420
 at 422

<210> 6149
 <211> 300
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6149

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 atcgagacgc tcgaaattga atgttgaagc tctcagcaga ttcaaacgac aataactttt 120
 tactcggatg tctgattgag tcccgtata tatcgagacg ctcgaaattg aatgccgaag 180
 ctctgaggat tttcaaacga cgataacttt ttactcggat gtctgattga gtcccgtaat 240
 atatcgagaa gctcaaaatt gaatgacgaa gctctgagga tattcaaacg acaataactt 300

<210> 6150
 <211> 400
 <212> DNA
 <213> Glycine max

<400> 6150

taagcctata gatgaagaca atcctattat taggtggtac ataaacacca agtacttcct 60

gcaggacaat tggcagagaa cctaggtatt gctactgtgg attggcgtga tgttaggtct 120
 atttgcctac aaatttgtgc agtataggag aaaagctgca tatgaagtga tgggccattg 180
 tgtatgcatg gccaaaggtg cagccaaaac acttatatta aaggtgacta aaaaggaaca 240
 tatgtatcta ctttgttcta atgattgttg agacttagta gctttcataa gtcaataagg 300
 taatgaaagt tgaagtagta agaacataat gagaagtatt tttttacagt gtataactgt 360
 ggcagtaaca attgaagttg gtatacatgg catctaccat 400

<210> 6151
 <211> 299
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6151

tttatccatg tcttcctatg gtggcgagct tcttcgttac tcattcttctc cttgaagtgg 60
 catctctaata catatttctt ccttctccat tctacttcca ttcattcttca ggaagccaag 120
 gattcctttg atgaaccaa ggactccagt ggagctccat cacctgtgaa acatatagga 180
 aaggatgttg agtcctaaga caacataaag canaagacgt tgagtcctat gaaacaaata 240
 ggcgaggacg ttgagcccta tgaaaacata aagcaaatga cgttgagtcc tatgaaaca 299

<210> 6152
 <211> 467
 <212> DNA
 <213> Glycine max
 <400> 6152

acactataaa tctaagcttg tatctcctta cagatggcgc atgcatgatg acccctgtca 60
 ctgtaaccgt ttagatttcc atacgctaga aagtcattag tggtacagaa aagcattgca 120
 cgcatttcaa aagtctcctt gcaaaaatcca tcaaacta aaacccctc gtcccacaac 180
 tttctcaggt cttcaatcaa cggacttaga taaacatcaa tgtcatttgc tggctgtctt 240
 gggcccaata tcatcataga aaacatcatg tatttttgtt tcatgcacaa ccaaggaggc 300
 aaattgtaaa ttactagtag aattggccat gaactatgtt gagtgcttaa atttccatat 360
 gggttcattc caccactagg tagtccaagc ctaagattac ttgcctctgt gccaaaatct 420

<210> 6153
 <211> 439
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6153

ngctaaccga tggaaactcc taatatctcc cacactntnt gttgtgggcc attcttggat 60
 ggccttgatt ttctcagggt ccacttggac cccatttcta ccaactacaa tacctaagaa 120
 aactatatta tctacacaaa aggtacactt ctctatattt gcatagaggg tgtttttcct 180
 aaggactgaa agaacttgcc tgagatgtcc taagtgatca tctaggctcc tactgtacac 240
 taaaatatca tcaaaataaa caactacaaa tctacctatg aaatccctta agacatgatg 300
 cataagcctc ataaagggtgc tnggtgcatt agtgagccca aaaggcatca ctagccattc 360
 atacaaacca aacttgggtct tgaaagcgat tntccactca tcancccttt tagtcctgaa 420
 ttggtgataa ccactttta 439

<210> 6154
 <211> 421
 <212> DNA
 <213> Glycine max
 <400> 6154

ctgggttcga tggccccaat gacatctatt cccacatgg tataaggcca aggggcggac 60
 ataacattca taggatgtgg tggaacattg acattgtccg cgtatgcctg acatttatga 120
 catttcctta catgggcaca actatcgctt tccatagtaa gccagtaata accgactcta 180
 aggatcttcc tggccatagc atgcccattg gcatgtgtcc catatgaacc cacgtggatt 240
 tctcaatca tgaagttcgc ctctttggca tctacgcac gtaggagggg catgtcgtgg 300
 ttctgtttgt acaggatggg accactcaca aagaaaccag tagccaatct ccttaacgtt 360
 cttttgtcat tgtcagaaat ccccggtgga tattcttttg tctcaacata ttgcttgatg 420
 t 421

<210> 6155
 <211> 142

<212> DNA
<213> Glycine max

<400> 6155

aagctctcga catattcata tggccggagc tttccacacg gatgtccgag tctggcgcat 60
tatatgtcgc gaggctcgga cttgaacagc agaagctctt gccatattca attggtcattg 120
actctccaca ctgatgtccg at 142

<210> 6156
<211> 383
<212> DNA
<213> Glycine max

<400> 6156

agcttcagtg tgtccaagaa aatgtacaat gcacatatat ccaggacaaa agaggaatac 60
tacctctgtt cgtccaggca ttataggctt cccaacaaac aactctgcca gaatacatcc 120
agcactccac aaatccacag taactccata atctgtagct ccaagcaaaa gttcaggtgg 180
tcggtaccac aagggttacga cagcactagt taaaggctgc ccatgagatg gctgaaacaa 240
agctgcaagc ccaaaatcac caatcttcag attgccatta ctgtcaagca gaagaattga 300
gcccttgatg tcacggtgca taacaccacg actgtgacaa tgctcaagac cacgaagaaa 360
gctgtgcatg taacacttga tct 383

<210> 6157
<211> 299
<212> DNA
<213> Glycine max

<400> 6157

agcttgacca agaaattact cacagtccat catcgcatga aggagactat ggataagcag 60
aggagggaag tgcagttcac tcaaggacac tgggtcctca ttaaacttcg ttcattgtcg 120
cagtcaacag cttcaggtgg tcaatactcc aagttatcaa aaagggttcta cgacccattt 180
caaattgttc aaaggatcgg acctgtagca tataaacttg acttaccttc aacctcaaga 240
atccaccctg tcttccattg gttcttactc aagccttatc actcttcact gaccacaac 299

<210> 6158
<211> 407

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6158

agcttctaag caccctctca gaaatgctta tattctntaa ccactttagt ttcccacaca 60
agggatgtct gacaagggtca atgcaccccc catggacata cacaacatac aatgtatgaa 120
cgtgggcacc atcaagtaca atgaccatgg atgaattaag gctcctaagc atccccctgg 180
aaatgcttag attctttaac cactctatct tcccacaaaa gggacatccg acaaggccaa 240
tgcaccccc cccccccac gaacatacac aacatgcact tgtcaatgca ttttcaacat 300
catcaacatt ccattttaat ggcatcacca ataaccacaa caacctcatt ccatattgac 360
ataaccatca ataataacat cgattcatgt tgacatgatc accatta 407

<210> 6159
<211> 295
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6159

accattgaa gctactaata tcttccacac tttttggggg ggggcattct tggatggact 60
tgattatctc acggtccact tgggccccat ttctgccaac tacaaaccct cagaaaactg 120
tattgtctac acaaaaagta cacttctcta tattngcata gaaggcggtt ttcctaagga 180
ctgaaagaac ttgcctgaga tgcctcagt gatcatctag gctcctactg tacactaaaa 240
tatcatcaaa atagacaact accaatctat ctatgaaatc ccttaagaca tgatg 295

<210> 6160
<211> 279
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6160

ctggaactac ttcacatgga tttgatgggg cctatgcang ttgaaagcct tggaggaaag 60
aggatgcct atgttgttgt ggatgatatc tccagattta cctgggtcaa ctttatcaga 120
gagaaatcag agaccttga agtattcgag gagttgagtc taagacttca aagagaaaag 180

gactgtgtca tcaagagaat caggagtgc catggcagag agtttgaaaa tagcaggttc 240
 actgaattct gcacatctga aggcattcact catgagttc 279

<210> 6161
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 6161

agcttctata gaaggttcat tcctaatttc tctacaattg catcacttct caatgagctg 60
 gtgaagaata atgtggcatt tacctagggt gaaaaacaag agcaagcctt tgctttgctc 120
 aaagaaaagc ttactaaggc acctgttcta gctcttcctg acttttctaa aacttttgag 180
 ctagaatgtg atgcctctag agtgggagtt ggagctgtat tgttacaagg ttggcaccct 240
 attgcttatt ttagtgaaaa acttcattgt gcgaccctca actaccctac ctatgataaa 300
 gagctttatg ccttaataag agccctccaa acttggaac attaccttgt ttctaaagaa 360
 tgtgtcattc atagtgatca tcaatcactt aagtacatta gagggaaaat caagttaaac 420

<210> 6162
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6162

gcttcacaaa gagaatcatc tcgatatgat agctttggaa gtcctcttac atggctctga 60
 ttntgaaact ttaagattaa cctcaagtta gcatgaccaa tcttcttatg ccatacttag 120
 tgatgctctt taactgaaag tgagcatgac atgttttgac tggacagatc accaagttta 180
 atcttataaa gatttccttg tctcttagca gagaagaata aagaggtttt cttgttctgg 240
 atgatacaca tatecttggt aaaggtgaca ttatatccac tgtcacataa ttgatttatg 300
 cttagcaaat tatgcttcaa ccttttaaca agtaaaacat tatctataga aggataggga 360
 ggaatgcana ctttacctac accagttatc 390

<210> 6163
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 6163

agctnggtac cactgagttc aaatagctcc ctccagaact tactcacgaa caatgggtct 60
ctatctgata tgatgctacg gggcaaaccg tgaagacaag tcaccatagc tgtgaacagc 120
tccgccacct tccttgtaga gtgcttagtg ggtaacatcc cagatgaagc cccttcggag 180
agcaatccac tactacgaaa attcatgtat agcctttata cgaaggtaag ccataatga 240
agtccatgct taaatcttcc cacggccgat atggtaccgg aagagggcac aatagccctg 300
ctggtttgcg gttgtcgtag ttagtaagtt gacacgtgac gcaggctgcg acgaaagtgc 360
gtacatcact ccgcatggag gccacgtgaa gttctctgc aacctctgaa acgtcttctg 420
agtcccatag tga 433

<210> 6164
<211> 421
<212> DNA
<213> Glycine max

<400> 6164
gtaattgtga aatgtaggct tgcaacacat cattgatctt atcactaggc tcttccagac 60
tttcttgat ggggatggga acacgatcca gaagctttgc tagctccatc ttctcatctt 120
gccttactgt tacatacttg aattcttcac tcaaagagaa caatcgacaa agctctatgt 180
ccccattgt aggcttcaaa tgctcgttat atgtggatat ggatccgtgt gttatgtagt 240
agtagctggc aatacgaccc aagtcagtga cctgaaaata tccactcttc ctatcatact 300
tcaccaaatt atttctatcc aagatgggtg cagccgatg aatctgcaaa atttcagcaa 360
gatataaaga tcaaaatcag cctatacata aaaaaagaca ggatgaaccg gctagaaaaa 420
a 421

<210> 6165
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6165

gtgaccaaatt tcaaacgatg ataactntnt actcggatgt ctgattgagt cccgtaatat 60

atcgagacgc tcgaaattga atgttgaagc tctgaccaa ttcaaacgat gataactttt 120
tactcggatg tctgattgag tcccgtata tatcgagacg ctcgaaattg aatgttgaag 180
ctctcagcaa attcaaacga taataaattt ttactcggat gtctgattaa gtcccgtaat 240
acatcgagac gtcgaaatt gaatgttgaa gctctcagca aattcaaacg acaataattt 300
ttttagtcag atgtctgatt gagaccgta atatatcgag acgatcgaaa ttgaattctg 360
aagctctgag ctaattcaaa cgacaataac gttttgctcg gatgtctgat tgagtcctgt 420
aatctattg 429

<210> 6166
<211> 448
<212> DNA
<213> Glycine max

<400> 6166
agcttgccctt gcccttgat atatttgagg gactcatggt cactatgaat gacaaattcc 60
ttgggataaa ggtagtggtg ccatgttttc aaagcccgta ctaaggcata caactcctta 120
tcataagttg aatagttaag ggtaggacca cttaactttt cactaaaata agcaattgga 180
tggccttctt gcatcaacac agccccaatc ccaacatttg aagcatcaca ctgaatttca 240
aaatattttt gaaagtttgg caacgcaagt atggggcatt agttagcttt tgcttaagaa 300
cattgaaagc ttcttctgtt ttctctcccc atttgaaacc agcatttttc ttgagcactt 360
cattgagagg tgctgccaat gtgctaaaat ccttcacaaa tcgtctataa aaacttgcta 420
agccatgaaa actcctcacc tcggtcac 448

<210> 6167
<211> 416
<212> DNA
<213> Glycine max

<400> 6167
agcttcttgt attatgcact ccctggctat ctcttcatgg tcttaacatt cttctcatgg 60
atatgttggg catggccaca tagcatcact gcacagcaaa ttggctcagg ttatcacgga 120
cttgggattg gtgccttcac acttgattgg gcaaggattt cagcttatca tggcagtcac 180
cttgtttcac catggtcttc cattgttaat gtgggaattg gatttatcat gttcatctac 240

atcattctac ctctctgtta ctggaagttc aacacttttg atgcacacaa gtttcctata 300
 ttttctaacc agttgttcac ggccagtga cataaatatg acaccaccaa gatcttaacc 360
 cctgagtatg tccttaaatgt tgatgcatac aacaagtaca gcaagttata ccttac 416

<210> 6168
 <211> 374
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6168

tatcccatgc ctcccttagct tgaaagatga ggaaganagc tttcttgttt ctctttcttg 60
 aatcctttaa agtcttcttt tgtgcttagg aaagtgaagt ctcatcttgt cactccgtat 120
 agcctttttc aaccatttcc taaacatcat gtgtgatgca atccgacccc ccaagggcat 180
 tggatagaag actccaagaa gattaggcta gagatgtaag agaaggctct agggttctca 240
 tgagccttag ggtagatttc agggccacgg gttaagtatg agtccactta tctttgtaca 300
 tattagatta aggtttcatt atttttgggc cttgtattta gggctccata atgtaggtag 360
 ggtaccctag aaat 374

<210> 6169
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6169

agcttgctcag cattggattt gggtttaatt ttttcggtgg gagtcttccc tcgtctcttc 60
 ttaaactccc atatctgca gaaattaagc taccttttaa tcaattcaat gggtccttgg 120
 atgagtttgt gattgcctcc cctgtactgg agatgcttga tttaggtagc aataatttgc 180
 atgggcctat tcctntgtcc atttttaatc tcagaaccct tgggtgcatt caacttaagt 240
 caaacaatt taatggcaca atacaattgg acatgattcg caggctgagt aatttaacta 300
 ccgtttgctt ctacataac aatttgcag ttgatata cactagagat ggtcaggacc 360
 tgtcaccctt tccagctcta agaaatctaa t 391

<210> 6170
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6170

tgaagcctgc gagctntcgc gccatagttg ccatggttcg caatgattgt agcatcaaca 60
 ttacactntc ttaagccagc attagctctt gtccatctcg agatgatagt tatatatgaa 120
 caggaccgtg tctacgcgtt tttttaaggc ctttgccgag tatatttaaa gactaattta 180
 atataagttg tcaaattctca ttttatttta tcgattacaa aattgctcac cggagttata 240
 taattaagta tttctaaact cttaccatca ataatatata aaaaaaaaca ttcaatttat 300
 cttttaacat agtttatata aaaaaaaat tgagtagttt gaattttaca aaattacttt 360
 caacaataat aaaaattaca agtattatca ataacacttt gaaatataat gtatatantt 420
 ngaattttta ataattaata ttnttagtaa aatatgaa 458

<210> 6171
 <211> 443
 <212> DNA
 <213> Glycine max

<400> 6171

tcaagaaaaa tggcctcagc aaacttctta tttccagaag gaaattctat caatagacct 60
 ccaatcttta atggagaggg ttaccactac tggaaaaccc gaatgcaaat ttttattgag 120
 gcaatagact taagtatttg ggaagccata gaaatagggc cttatatacc caccacagta 180
 gaaagaatta caatagatgg aagcacatca agtgaaagca taacaataga aaaacctaga 240
 gatagatggt ctgaagagga tagaagacga gtacaatata atttaaaagc caaaaacata 300
 ataacatctg ccctgggaat ggatgaatat ttcagggttt caaattgtaa gagtgctaag 360
 gaaatgtggg aactctaca attaacacat gaaggaacta cagatgttaa aagatctagg 420
 ataaacacac taactcatga gta 443

<210> 6172
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 6172

agctnttcat tatatatcag gacttctccg cctataattg tttcctcatt gggtgcaaaa 60
attcttgata aagtacagtt taaaatatct tgtagttntc agaatcagat tcatagatat 120
ttatctatac aggtacaatt tctaaggcaa gttcatggtc tgagcaacat tttgataggt 180
ttgggtctcta gattcttctg agttacttca ccagtggata aatattccta caagtatttc 240
tgcaataatg tatataaaat ttttattaat ttttggttat ttatttatat aaatgccata 300
tgtttcttat cctttctgaa tatgaataat atctagcttc tgcttcaatc actttatttn 360
tcaagataaa gagaatttat caacaaacaa ttaaatacaca taaatatcca tacatgtgca 420
aatgt 425

<210> 6173
<211> 236
<212> DNA
<213> Glycine max

<400> 6173

agcttgttgt attatgttat cgctggctat gtgattatgg tcttaacatt cttctcatgg 60
atacgacggg cagggtcaca taacattact gcacacaaaa ttggctcacg gtattacgga 120
cttgcgatgg gagcctatac actagaacgg gccgggactt gaactcatca tgggggaccc 180
gatgttacac catggtattc cattgttaat gtgggaatcg gatgtatgat gtacat 236

<210> 6174
<211> 363
<212> DNA
<213> Glycine max

<400> 6174

gtacgctcaa tgactccgat caaatatatg tgccatagag agaatggcca aggtgctacc 60
aagacattca atggtatggg tggagcggtta acattatcag tgaaggcttg gcatttacag 120
catttcttca catggatgca acaatcgctc tccacagtga gccagtaata ccctactctt 180
agaatcttct gagccatggc atgtctattg gcatgtgttc caaaggatcc ttcatgcacc 240
tctaccagca tatgctcagt ctctctggca tccacacatc aaagcaatac catgtcgtgg 300
ttgcatttat ataagatatt cccgcttagg aagaagccgg ctgccaacct tcgtaacatt 360

ctc

363

<210> 6175
 <211> 473
 <212> DNA
 <213> Glycine max

<400> 6175

taagcacggt agcttacgct aagtttagcc tacaatcctc agtctgatgg ccagatggta 60
 cggaccattc agtcgttggg ggatcttttg agggcgtgtg tcatcgaaca aaagaggagt 120
 tgggagagtt ttctgtcatt gatagaattc acctataaca atagttttca ttctaccatt 180
 ggcattggctc cctacaaggc tctgtatggt aaaagggtga ggacaccctt gtgctggcta 240
 gaaccagag aaaacctcac cttaggacct aaagtgttac aacaaaccac taagaaggctc 300
 aagttaatcc aagagaggat gatgactgct caaagcattt ataaaagtta tcaggacaag 360
 aggaggaaaag actaggaatt caaggttgat gattatgtat tcttaagatt cactccgtcg 420
 actagggttg gtcaagcatt gaaatctcag aaactcacct tcgtttatcg atc 473

<210> 6176
 <211> 462
 <212> DNA
 <213> Glycine max

<400> 6176

gcttgtgtct cattagtgtt atatatagag acaccttgta agcttttatg tgcaagtaat 60
 aaaaagttct cctagtatag ccgtggacgt agacacatgc attgtgtgtt gaaccacgtt 120
 aaactttgtg tctttttctt tcttcccttt atttctttct cttcttttat tgctctatac 180
 taacaagatt agacttggtg ctgcagcatt atatattatt cacttgtcaa gcatcaaagc 240
 aaagcgatat tatgttaatt tctaactaac ccattgttta agtaaccaca attacctgta 300
 atttatgtga gcgccagcac cattccaatc accctgtttt gtaagaacat aacaaaaatg 360
 aactaatca atttcatcac accaaattca atattcatat atatatatat atatatatat 420
 atatatatat atatatatgg tgtccaatat taatttattt ac 462

<210> 6177
 <211> 442

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6177

tgcacgtgta actcaacatc tcanaggagt ctgacaaaca ataacttatt taataaaata 60
 gatcttaagc ataaaaagaa cattaacatt ttaacatgaa aaatcctcca ataccaagag 120
 aaacaagaca aattctgaaa aatatttcac tatattaafa ctctttcaca taagaaatac 180
 aaaataggaa aatgttaacc agctcttagg atattgttta agaaattaaa aagagaaagg 240
 tttttattaa aatgcgtaaa attgtgcttt ctatgacttt nttttatatt ctcttataat 300
 ttctacaata aatattttct tcttttaatt ctttaaccaa tgccttaagg acattgggta 360
 gcaagaccct acaaaatata gtgtttctta aggagaccca cttccatcca aatactagaa 420
 gtcatagaaa tgatactcaa gc 442

<210> 6178
 <211> 349
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6178

agcntttgac aactattaca tcattatata attttcaatt gaataatatt ttcttaaaac 60
 tcatcgtcga attgaaaatt tatttcgcat agatcatata tgcaaatttc atattaatct 120
 aaaatcattt gtcacctcat tcatatagat taaaattgac gtagtataaa catcttaaaa 180
 catggataat ttgattatct tcttggtggt ggtcaatntt gacaaattta acacacatga 240
 tcttagaaag atatagatat aattcaacga ttgggattaa taaaatcata ttatatatta 300
 agttattaaa atgatgtaat gattaaagaa aaattaacaa atgaaatga 349

<210> 6179
 <211> 426
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6179

taaacttgat acgaattttt atacattatg gtttataaga tgatntntaa atatcttttg 60

tggaaatacca tcttacttaa aatgtataaa actattatag aagataaaat tttctcttta 120
 taaattaata cggatttggg attcattact aactagtatc agtattatctt ggaaccaatt 180
 tcactcttta tggagtgaag aaaattatgt aaaatgagaa gtaattatgg atgggtctat 240
 tattaatttg aaaaataggt acttctcgct tttatcttta ttcttataaa ttaaaaagaa 300
 aaaagaataa gtaattaaag aaactagcga tggtaatttt tttagagagt agtggcaaca 360
 gttacatctt gaaggtgtag gaagacaata aaaacattat atatatatat atatatatta 420
 aaagat 426

<210> 6180
 <211> 466
 <212> DNA
 <213> Glycine max

<400> 6180
 gctcatgaca ggctccccct ttgaagatga aacagcctat tgagacttgt tggcagactt 60
 ttatatttaa ctacaaccag gcctaacatt gctttcattg ttcagcaact tagtcaattc 120
 atctctcaga cattacaagt tcatcactca gcagcaatta gagtcctcaa atatctcaaa 180
 agtgctcctg ccaagggatt gttctattct tctctctcca cactcaaact ctctggtttt 240
 gcagactcag attgggcaag ttgtcctgct actcgagat cagtgactgg ttactgtgtc 300
 tttcttggca catctatgca gtcttggaaa tccaaaaagc agtccacagt agccagggtca 360
 agttcagaag cagaatatag agctttggct agcttaactt gtgaattaca atggctgcag 420
 tatttgtcaa ggatcttcac atctctcttg atcaacctat ctgagt 466

<210> 6181
 <211> 370
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6181

ngtcaaanag ggaagcaagt taaaaattgt tttcaaagta aaaacgttgt ttctacttca 60
 aaaccccttg aactacttca cattgactta tttggtcctt cgaaaactat gggtttttgt 120
 ggtaattact atgtcctagt tataatagat gattactcaa ggttcacatg gactttatct 180
 ttgaaaacca aaagtgaagc ttttgatgct tttcgcaaac ttgccaaggt gattcaaaat 240

gaaaaaggtc tcaacattgt ttcacttata agtgatcatg gaggtgaatt tcaaaatgag 300
 tatttgaaaa cttttgtgaa gaaaatgaaa ttcaccataa tggttctacc tcaagaacac 360
 ctcaacaaaa 370

<210> 6182
 <211> 435
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6182

atgaagactc tcctctaate taaatgtaaa tctgtgatct ctatcagaga ctatgctaga 60
 aggaacaccg tgtagtctaa ctatctcact gatgtacaag ctagtcaatc tttctaagga 120
 atatctgatg ttaattggga tgaagtgagc agatttcac t aacttgtcta caataaccca 180
 aatggaatct aaacctttgg gggctcctagg taaccaacc acgaaatcca tggagatgat 240
 atcccacttt cactcaggta tgtctaaagg ttgcaacttc cctgaaggct tctgggtgttc 300
 tatcttagct atctgacaca ctangcacgc aaggacaaac tcattaactt ctttcttcat 360
 actcgaccac caaaacatct gcctaaggte ctggtacatc ttagtcactc ccgggtggat 420
 acttatacta cttct 435

<210> 6183
 <211> 397
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6183

tagctnntac tgaaaagatc actcccagat gtaccaagga tgctatgcaa gacctcaat 60
 gggttagctgc aatgaaggat gaatacatgg ctctcatgca aaataaaaca tgggatctcg 120
 tccctttgcc tctcatagg aaggctattg gttctaaatg gatataatcg ctgaaataca 180
 atgttgatgg ctctgtagcc agacataaag ctagactagt ggcttagggg tattctcaac 240
 gaccaggcct tgattataat gagacattca gtctgttat taaaccaaca accattcaaa 300
 cggctcttgag cattgttgtc accagaaaat ggtatatacg acacgtagac attaacaatg 360
 ctttcctaaa tggttccatt caagaagagt atatatg 397

<210> 6184
 <211> 411
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6184

 atctatggng gcagaatcac tctcattaat tcagtcctat tagcettacc tatctactta 60
 ctatccttct ttaggatccc taaaaaagtg gtgcacaaaa ttgtttccat ccagagaaat 120
 ttcctttggg gaggtcacca agaggccagc aagattcctt ggggtgaagtg ggacacagtt 180
 tgtcctccta agaacaaagg gggcctaggg attaaagact tatctaaatt taatgaggct 240
 ctacttggca aatgggggct gggagctggc taataaccac aatcaacctt ggtctangaa 300
 tttactttct aagtatggtg ggtggaagga gctgatttct ggtggaagga ggaatttcac 360
 ttcccaatgg tgcaggatct gaagatcatc tttcancagc agcacaacaa c 411

<210> 6185
 <211> 470
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6185

 cgtgattagt tagatgatta ttattattat ttgttttttt gactgaagat tntaattntt 60
 attcaaatcg atattgtata gtactcctgt ataaaagtaa aaaaaaaaaa aaggaaaaat 120
 ggccaactcc aacctccata tctagagatg atcaattgat catatgttcg attgcttcat 180
 attaatacaa ttcgaatcaa tcatatttaa ttacatgact ttgatttttt tttcttggtta 240
 atttgaatca caccaattta ataaagattg agttagtttt ttgagtaatc aagttatcat 300
 aaagaaacta agttactata ttctatttaa gtttttatcc ccactaattg cctatttttt 360
 aactaaattn ttaaactatt taaaaaaatt aaactgaata ttaaactagc tatttatatt 420
 atttaataata taattttgtc tatgattatc acttaacgta tttcattaat 470

<210> 6186
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 6186

agctttttaga agaatgttan aatcaaagt cggtcctaataaatacactt ttgcggccgt 60
aattttctgcc tgtgcaaatac ttgctattgc taaatggggg gaacagattc atggccatgt 120
attgcgttta ggtttggtaa atgctatgtc agtggcaaata tccattgtta ctctttattc 180
aaaatctggg ttgctaacct caacttctct agtgtttcat ggtataacta gaaaagatat 240
tatctcttgg agcactataa ttgctgtaaa tctataagtt ggctagccca attgatttat 300
taattcccaa tattctcgtg gatagataac atctttcttc aagtttcatc aagaacttac 360
gataaagtct aagatctatt ggcaccaagt gta 393

<210> 6187
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6187

agcttgctta agaagattcc taaagaagct agatcttagc tacacacacc tctctaatag 60
ctaagctcac ctcttgaga tgagaagcta gagcttanct acacaccccc tataataact 120
aagctcacc ctatgcaaaa aaaaaacatg aaaataactaa aaaagtcctt actacaaaga 180
ctactcaaaa tgccccgaaa tacaaggcta aaacctata ctactagaat ggcacaaata 240
caaggtctaa acgaaggaaa aacctattct aatatttaca aagataagcg ggctcact 300
tagcccatgg gctcgaaatc taccctaagg ctcatgagaa ccctagggcc ttcccttgga 360
tcacttgctt aatctacttg gagtcttcaa taaatgcct tgc 403

<210> 6188
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6188

tatgctgcan acatctacaa tagaccact catctctcat ctttgtaac agccacatta 60
gagcagctat gacctctcta gaaaaagggt catcccggt ggaggaaatca tcccaacctt 120

agatggccaa atcattctca acagcagctg cctcaacaac tacagcttcg accccagaga 180
 caacgtatag ttgatgcttc tgcacatcct acccttgaag aacttgtgag gcataagact 240
 atgcataaca tgtcatttca acaagagacc agagactcca ttcagagctt aactcatcta 300
 atgggacaat gggctacaca gttcaataaa catcagtcctc agaattctga cacattacct 360
 tctcaatctg cctagaatcc cataaatggg agttccatta cattgacatc 410

<210> 6189
 <211> 453
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6189

agcttaccaa ctaagctatc aaacatagat aattactaaa atattcatca gagtcaaatt 60
 tcattctgta aataatgtgg tcagaaaaaa agaagactat agatgcaggt ttttctgttc 120
 tttctaaatc tcaatttgat tggctcacca ctgaagattt ccctctgaag agtcttagca 180
 ttgtaggagc aggtgaactc ttgggaattg ccacagttac atcataaatg gcaggaacaa 240
 aagagcgcac atggtttact gctgaaacaa aaccctgaaa gcaacatagc ggagtaaata 300
 tttcagagca accaacagaa aagaacaata aaaccttaata taatgggttag cactgcctat 360
 taggtaatat atgtaagatt gaatgtgtta tgtaaattta aaagaacaaa gaagccaaag 420
 catgaaagta aaatacanag ataaagtcta tct 453

<210> 6190
 <211> 393
 <212> DNA
 <213> Glycine max
 <400> 6190

tctatagaag gttcattcct aatttctcta caattgcac acttctcaat gagctggtga 60
 agaagaatgt ggcatttacc tagggtgaaa aacaagagca agcctttgct ttgctcaaag 120
 aaaagcttac taaggcacct gttctagctc ttctgactt ttctaaaact tttgagctag 180
 aatgtgatgc ctctagagtg ggagttggag ctgtattgtt acaaggttgg caccctattg 240
 cttatttttag tgaaaaactt cattgtgcca ccctcaacta ccctacctat gataaagagc 300
 tttatgcctt aataagagcc ctccaaactt gggaacatta ccttgtttct aaggagattg 360

tcattcatag tgatcatcaa tcacttaagt aca

393

<210> 6191
<211> 423
<212> DNA
<213> Glycine max

<400> 6191

tgacgcttag gatatgactt aatgactagt agagagatta ccataatacc aatccccattt 60
tcttactact tttgtctttg tactattaag ctttttttat aaactaaact aatatgggtc 120
ctttgtttta gtttatttat tacaaaaagc acatttttaa aacaaaataa gtaattcttt 180
tttgttttta taaataaaaa ttctggtttt taatatTTTT cttataatgt gtttacttaa 240
ataatagttt tatgtgtttt taagaagaaa attctattta tttcttataa aaacgctttt 300
attcataata ttttataaat attatataca tttttaaaag actagcttta atatatatta 360
atacttcaaa tatgacatta acttcttttg ttaattagta ttattttcga catctttaat 420
tta 423

<210> 6192
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6192

agctngacag gttcaggcgc aggtgctgct actggtggag gcactntaaa ttggttgcca 60
aacctcaagg tgatggcact cacatttttc agattctgca cagtttgtga aggcaatttg 120
ttagaatttt tggattgagc ttggtttaac tgagtagcca tttgccccat ctgatttggt 180
agactttgaa tggaggctct tgtctcttgc tgaaattgca tattctggat ggtcatttgc 240
ctcactaact cttctaagga aggttaagga gaggcctcag ttgcttggtg tctttgttgg 300
tggtgctggt gtattggagg aggaacatat ggcttgcttg gaccagtagc attctataaa 360
ggagggacag gttgttggtg ttgtggagga cttgcccac tcagatttgg atgatttctt 420
caacctggat t 431

<210> 6193

<211> 465
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6193

tctttacgtt attccattcc accatagcaa tagcaacaag aactgcatag acaatctntg 60
 taataatttt ataaagtcac attctttntt ctttttatgn taataaatat tttgtatntt 120
 ttatgtaata atttctttct tttcaaacat ntttatnta tttttgagtc ttgctaacca 180
 aagcccttag gacattgggtt aaggaactaa aaggggaaag tatttagtgt gtaaatacata 240
 tggaagtgtg aaanaaatca tggacaatgc aattttctgt ctccaataa aaacatttct 300
 actttaagtt ccttaacana ttatacaccg gtccttggga tagaanaaga gtaattctac 360
 atccctttac agngtatntt cactaattct cctacttagn taataaagaa agtatcaatt 420
 ntttttatgt ctaaggatta atgcatttac attattaata cttct 465

<210> 6194
 <211> 483
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6194

agctngcccc acttgaaaag cctcttttga atggtgactc taatgtaagc aacaattatg 60
 ttcccattaa ggctagagga aatgaaaatt taacctggta ttcaaatgtt ggatttttca 120
 gcattcttac tttctcatgg atgattcctt taataactct agggaaatgag aagacttttag 180
 agcatgagga tctcccacat cttgctactg atgacagtgt ggatgggatt ttgccaactt 240
 ttacaaacaa acttgagtca gagtgtggta atgtgataac aaccctactc tagtttcata 300
 acaaccctac gaaaatatga gggttactgca cacatgaaca acactacact agtgtgataa 360
 caaccctgct tacactatgc aaacaaccct gcttccagtg tatgtttgtg ataactactac 420
 gttacccatt attcaatctc ctcatgccct atccccaatg aacaacacta cactacctca 480
 atc 483

<210> 6195
 <211> 345
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6195

tggtgacact gttacctaata gcattcacat tcagcggaag ccttgacagg tctntaccag 60
ccactgtctg cacaggggtg cttanggaat cgaagtnga gctcgacaca nactctggca 120
atatgtggaa ctgcactaat tcgattttct ggccttcgtt tanggagttg aggaagcctg 180
ctntgaggtt ggaaaaggca gaatcatctg gtgcaaggat ggttatgccg ccactctnng 240
ctgttatgag ctgtgagttg atgttggtca tgatttctgt ggtntgagg aggcggatta 300
ngaactgaga acattttgcc tttntcanga ttctggtgat gtcgt 345

<210> 6196

<211> 289

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6196

ctgtacttgg atcatggaat gtgtntcttc cacttntttt agtgtggcag tcaatggatc 60
catttatggt cacttcanag ggcagcgggg tcttagacaa ggggatcctc tctcccctta 120
tctgtttgtg ctttgtttgg agtacttttc cagagatatg agcagcctta aggatgatgc 180
caattntaaa tttcatccca actgtgcaag tattcagcta tctcatttgg cttttgcaga 240
tgatattatg cttctatcta gaggagatat cccttctgtg tcaactatg 289

<210> 6197

<211> 348

<212> DNA

<213> Glycine max

<400> 6197

atgcgacaat tgctgcacct ctaaccaagc ttctaact ggaacctttt caatgggccc 60
aagatgctcg tgcagctttt gctgctctta agcagatgct gacctcaacc cctgttctcc 120
ggttgtcgga cttcactctt ccctatacgg tggagacgga tgcgtcaaga acgggcatgg 180
gcgcaatgtt atcacaatat ggccaccag ttgcttactt tagcaaaaat tttccaccaa 240
agctacttgg tgcttccacg tacgttcgtg aattattcgc cattacggcc gccgtcaaga 300

aatagtgtca atacctcctt ggccggtgct atcacatcct cactgate

348

<210> 6198
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6198

agcttcaaca tcagaccact tccaggggtgc tggaactact tcacatggac ttgatggggc 60
ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttggttgat gatgatttct 120
ccagatttac ctgngtcaac tntatcagag agaaatcaga cacctttgaa gtattcaaag 180
agttgagtct aagacttcaa agagaaaaag actgtgtcat caagagaatt aggagtgacc 240
atggcagaga gtttgaaaac agcaagttta ctgaattctg cacatctgaa ggcatcactc 300
atgagttctc tgcagccatt acaccacaac aaaatggcat agttgagagg aanaacagga 360
ctttgcaaga agctgctang gtcattgcttc atgccaaaag aacttcctat aatct 415

<210> 6199
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6199

ataaccggcc tccataccan anagtcaaag ttatagatgc tggtgttaca aaatatgagg 60
ctgacaatat ggaacctgaa atccatgatt gcttgatgct ttctttcttg nggccttcca 120
tcgccattct gaacaaatnt aaaatccttt tctcagatga gaatgcagca atagtcctat 180
gattggtagt agcttccatt gctaattgac taccctctct ntgagccttt cttgctnntg 240
cctgccatac tttcatgaga atgttnnttg agtagaagca tacaatgatc aacggctgca 300
ttgcgggtcat aacaagagcc accctccatg tgacaattaa acttagtaca aaagccaaga 360
aagccataac agaaacgtta actaacaatg acat 394

<210> 6200
<211> 300
<212> DNA
<213> Glycine max

<400> 6200

gatgtcttgg ttaacctggt aaccagctg gccttgaatc aaaaataagt acctgtcgca 60
cgactatgtg gtttatgctc ctctgccgac caccatacag acctttgtcc ttctgtgtgc 120
aagctggagc aactgaacaa cctaaagctt atgctgcaaa catctacaat agacctcctc 180
aacttcagca gctaaatata ccacaacgaa acaattatga cctctccagc cacagatata 240
atcccagatg gaggaatcac cctaattctca gatgggtctag ccctcaacaa caacaacagc 300

<210> 6201

<211> 347

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6201

tgaccatgac atgtgtttta ataataatca acaatcaatg atcaatcatc tntgaatcat 60
ctatctntca atctattttc agcatcatct ctcaacatct gtcaatcaat ctttcaatat 120
ctttctacag aattgtgtga ttcattcttc ttcatttttc taaaagtnt ttatcaaacac 180
tatctcttcc aagaaaagtt ctntgttcac aaacttatgt tattcatctt tatcattctc 240
ttcttccttt gccaaaagaa cgaaggacta accgcctgaa ttcttttgtg ctctcttata 300
cctacaaaag atcataggac taaccgcctg agaattcttt tgattct 347

<210> 6202

<211> 377

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6202

agcttgactt acttggaactg atcatattct cttatgaaat gatgatcaat gtcaatgtgc 60
tgggatcatt catgatgagc agggattgaa gcaagactta tagcagattt attatcacia 120
aataacatta cagagggcac atcaacttca aagtgaagaa gtaacttggg taaccaaaaca 180
atttcactag taacagaaga caagacacga tattcagctt cagtggatga atttgaaaca 240
gtgggttgtt tcttagaacg ccaagaaaga aggatatttc caaaaagac aaaaagcca 300
gaagtggatc ttcttggtatc aacacagctg gcccaatcag catccgcana ggagtgagg 360

<210> 6203
 <211> 441
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6203

agcttgtact ttaattgata ttcattgatat atatattaan attcctaaat ttcataatta 60
 gggcttatac attagtaaga gaaattatat cattcttggga gaatcataaa tttcataaca 120
 catgctctga taccacatgt gagaatcctt aagggtttcc tagactatta atgattggaa 180
 acaacaggat cttgacacct atgggttctca catacaatca ataaacaacc atagataatg 240
 atgtgtacct ttctccatag gaagacatgt acatttctct ttggaaacttc tcttcggtgc 300
 actttgattc tccttgaaag agaagagata taagatttac ttcctatgtc tttcttgctg 360
 tctctctcat tcggatggca tgggtggaga gaacctttct gtcagaaggg accctattta 420
 acttatggtt tcaacccttt a 441

<210> 6204
 <211> 504
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6204

ctctatatat gtgtgtctga tntcgaanag aaaaaagag atagatattc taagagaact 60
 taattgccaa atgctctctc aacaactctt gagagaatac ttgcaaactc attgagaatt 120
 catccagaaa cttcaaattg tattatcatc tctaaaagag agaaattcct ctaggatctt 180
 caatttgtat catccactct aaagtataga aatctttcta tttatctcag aaagttagtt 240
 gtaatcaaga gactggttgt ctcttggtt gagagaatng tagtcaagag attggttgtc 300
 tcttgagaa tctntgaaca caaggttgag ggatctcaag gtgtgttcaa agtctgtaaa 360
 ggatttatag agatagtggg aaatctcaag tgcttgagga ctggacgtat gcaccggaag 420
 tggccgacca atataattga gttgcattct tcttcttat ctattattta tacattgatg 480
 tgcttgctgt taagacatat aaat 504

<210> 6205
 <211> 280
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6205

gatgtttntc aagatactag actcatctgg cacttcaata ttcaaacttc ttgcatgac 60
 gagaagagag gggaaagcaa cttcaaaccg gataggcata tggtctgcat tttcatcctg 120
 aagcttgtag aaattctcct tataaaatga cattcctgtt acatatgaat gcatatatac 180
 acaatagaaa cattaaatta acataaacgt gctgataaag aaataacatt tatatcataa 240
 tactctacta tttcccggtc ctcttctttt actatggaat 280

<210> 6206
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6206

agcttggtgca tccaatactc tgatgaggat gtcctatatg ttcttaatac tagactgatn 60
 ccattgcttc caaagtttca tggccttgcg ggtgaagacc cacacaagca tctgaaagaa 120
 ttccatattg tctgctccac catgaaacca ccagatgtcc aggaggatca catatttctg 180
 aaggcctttc ctcatctttt agaggggagtg acaaaggaat gtctatatta ccttgctcca 240
 aggtccatca cgagctggga tgacctaaag agagtattct tagataaatg tttccctgct 300
 tccaggacca tgaccatcag aaaagatatt tcaggcatta gacaactcag tggagaaagc 360
 ctatataaat actgngagat atttaaaaaa ttatgtgcta gttgccctca ccaccagatt 420
 tcagagcagc ttctcctcca atatttttat gatagatg 458

<210> 6207
 <211> 468
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6207

gaacttgac atttatgatg ttcttcatgt gctttgactg attcaacaag tctttacaag 60

ccttcattgc attgttatgt ggtgagcaag gactatctcc aatgtgatta agaaatgcac 120
naattttcca gcattaacct ttctacatga tctaaatcct tgtctattaa gacatgtgat 180
ccaaaaatga tcactttgct tngtactgaa tagatagcat aacaaacaat aaactctatc 240
attagatggg gaatactcta gccagaaaag aaaacattta aaccaagtac attggaaatg 300
ccttgatgt ntctctntac anaaaggata atattgtagt tctatttgat atggacccca 360
tttgatataa gctcttcgaa cttcatctct tttgatcatc agatattcat atatgtgaag 420
ggcattttctc aggtcacatt ccaaagaaat aacatcaaat tcatcaac 468

<210> 6208
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6208

agcttttatt gtaatcttga aattcaggac agtactctaa tttctgaaat tnntgggata 60
aaaatgggtca ttgaccagtc ccttttccat gacttaacca aattaccag tgacggtgta 120
ccatttgaag gtacactgaa tgacgactgg aaatttgatt tctctgcca tgatgccgc 180
cagttgggtt gcaccaacaa tgcggatatg accggacgtc ttcttgacgg gtcattggct 240
tttgaaagcc gcacacctca ctatttaatt gtgcgtatct tgcttcacg gccttccaac 300
cttgcccagg tttctgagaa agatctaatt atcatgtggg cctttcatac agggcgtaa 360
cttgactggg cacacttagt cagatatcgc atgcataagg cattgcgatt aaatgctcca 420
ctaccatc cacagcttgt cactctcttt tntcaccatt ttc 463

<210> 6209
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6209

gtaagaatct gttntagaat ttctaactg tacacaattc tttagttgga tattccatga 60
aggtttagaa tcatcaacag catcacagag gtttatgtgc tttctttcta cattgtgcaa 120
aaggcatgac tggttatctt cttttatcca tattgctgtc tgaactgtc gtgcaatgag 180

tctccagcac attgctgtag tcaaattcat caacttatcc caaattacag gataatcttt 240
 gtcttttcta taagcagggg gagctgaata aacaaagtac ccattgaagc gaagaaggcg 300
 attcaactcc ttcagtaaaa tcccatctgc aaaaaacaga ataaattgac aataaacaag 360
 tctgtcagaa taacgtgcc a gttcatgaat cactagaaca aaataaaca gtct 414

<210> 6210
 <211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6210

tggtcatacg ttntcacaca gatgtccaat tcgggggtcat aatatatcga gacgctcgaa 60
 attgaacaac ggaagctctc gagaaaatcg aatgggcata acttttcaaa cgaatgttcg 120
 attcggggac ataactcatc tagacgctcg aaattgaaca atggatgctc tcgagaaatt 180
 cgaatgggtca taagtittca cacggatgtc cgattcgtgg acatattata tcgagacgct 240
 cgaaattgaa caacggaagc tcccagagaaa tttgaatggc cataacattt cactcggatg 300
 cccgatctgg aacataatat atcgagacgc tctgaaatga acaacggaag ctctcgagat 360
 aatcgaatgg tcataacttt tcacacgga 389

<210> 6211
 <211> 349
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6211

ctggagatga agatgattgg ataagtacca gtggatntgt gttnttcata ngatacacia 60
 ccttcacttg gatgtcaaaa aagtagccga tattcactct tttgactcgt gaggcagaat 120
 acgtagcagc tacttcatgt gtntgtcatg caatctagca taagaatnta ttaaaagagt 180
 tgggcatgtc acaagaagag ttgaccaaga tctttgtgtg ataataagta gtcattgctc 240
 tagcaaggaa tccagtgttc tatgatcgaa gcaagcatat tgatacccct taccactaca 300
 taaggagtg catagcaaga aaggatgtac atgcagaata tgtgaagtc 349

<210> 6212
 <211> 483
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6212

tcttaagcca cctgcggcat gcaagctntc tgctagatat catcttggtt gtgcgacgac 60
 catttccatc tacagaaaac tgatcatagt cgctcaagga aacacagaaa atgaccaatc 120
 caacatcctc aaacatttct agccacttgc aattttctgc tagccctctc gcatgtattg 180
 taattagttg atacctgtaa tcaaggagaa caaagcatgg tacaggttag caacatttta 240
 gcagttgttg caattggatc aatcagggct acccagaaaa cttctcacat ataacattag 300
 gcacaaatat tttcaccac ctaactaaag aattatgtag atcagcagtg tcaacagttt 360
 cctcgggagc tggttgagga aatgaaaact ctacagaagc catcccattg gatgaagtaa 420
 ctcttcagc atagaggata tctaaatccg anggttcata ctcagtctc agtatctcaa 480
 cag 483

<210> 6213
 <211> 372
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6213

agcttcatat ggagccatgc cgacggtaga atgtaaacta tngttataag tgaactctat 60
 caatggaaga aaactctccc agctttcctt ctgctctaag atacatgctc ttaaagggtc 120
 ctccaatgac tgaatgggtc gttcagtttg gccatcagtc tgaagatagt aggctgaact 180
 cagtctaagc ttggttccca aactctgtt caagctctcc caaaatctag aggtaaatct 240
 aggatctcta tcagatacta tgctagatgg cacaccatgc agcctacaac ctacttata 300
 tacaagggtg tcaacttctc caggaaaatc taatattaat gggaatgaag tgagcaaact 360
 tagtgaatct gt 372

<210> 6214
 <211> 262
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 6214

tggcagagga atggagaatg aggaaaggtg attggagatg ccacttcaac gagaagatga 60
gtcaagaact taaaggtaga agaagatgag tggagggaaa gggagagaat gggcacacaa 120
tttatgcctc acatgaggtt tgaactctga agtghtaattt ctaatatgat caaagttgat 180
aaaatgcaca cacaaggcct ctatttaagc ctaagtgtca cacanaattg gagggaaatc 240
tgaatntcaa ttcaaatttc gc 262

<210> 6215
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6215

cacacacaca cacacacaca tatatatata tatatatgtg tgtgtatgta tatgacttgn 60
taaaataaat tangaattaa tagttcaaata aataaaatta aattgaacga aattaatata 120
ttaagaatca acaataaata cnttcaatga attttagat taattatcta tgaactctct 180
ttaatctgaa ataatatagt tcgaattaat atatacatgt tctgtgccat gtaaacatta 240
ataatgtgtg atgtttatat gattgatgac gtgtgatcac atgttgtgtt gcgattataa 300
cattgtaatc gagattgagt gtctgtgata aattgagtat gtgttgaatc gtaagataca 360
tgtgtatcga gatttcttac acattgagtt gtgagctatt aactgtacaa tcacacaact 420

<210> 6216
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6216

ccggaatctta agtcacctgc ggcatgcaag cttcttgggg catgcagggt tctacaggag 60
attcatcaag gatntttcaa agattgctag acccctaagc aacctgttga ataaagatgt 120
ggccttcaag tttgatgacg aatgttcaac agcatttcag aactgaaag acaagcttac 180
tactgcacct gtgatgattg cacctgactg gagtaaagac tntgagctga tgtgcgatgc 240

cagtgattat gccataggag cagtccttgg acagagacac gataaggat ttcatgctat 300
 ttattatgct agcaggggcc tgaatgaagc acagttgaat tatgccacca cagagaagga 360
 aatgctagct gttgtctttg ccttggagaa gttcagatca tacttgatag gatcgaangg 420
 tcaccatttc acagatcatg ctgccatcaa gcacct 456

<210> 6217
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6217

agctnggttc aactgagtag ccatctgccc catctatatt gtcanactct taatggaggc 60
 tcttgtctct tgctgaaatt gcatattctg gatggtcatt tgccctacta actcctctaa 120
 agaagggtga gaaggggcct gacttgcttg ttgtctctgt cgctattgct gcattggagg 180
 aggaacatat ggcttgccta aactatcaac attctataaa tgagggacaa attggtgttg 240
 ctgctgttgt cggttggtgac gatttgccca tctcagattt ggatgattcc tccaacctgg 300
 attgtatttg ttgcttgaaa gattactaat attctgctgc ttgttggttt tttgttgacg 360
 gggctctatta taaatgtttg cagcataagc ttcagggtgc tcattgactc 410

<210> 6218
 <211> 367
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6218

gctcgtctnn gctgatatta tcatgcacac tnttctgatg atgacctatg aaccaatagg 60
 gatctacttg aaacttatgt gtttcaagtg agaagaaatg cttctttntc cacttgatga 120
 gatgttcaaa gtttggctat gaagatggtt cagactgaga aacatttggt atttccattg 180
 gtttataaac ttattgagct agctttgata ttgccggtgt cgacagcatc cgttgaaaga 240
 agcttttcat caatgaagaa tatcaagtct aaattgcgca ataagatcaa cgatgtgtgg 300
 ttcaatgact tgatgggatg tacaccgagc gggagatatt caagtcgctt gatgatattg 360
 atattat 367

<210> 6219
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6219

agctngaatc ttccttggtc ggggtacatga gcatatgcaa tgctcccaaa tactctcaag 60
 tgatcaactc ttggcttcac tccactccat gcttcttggtg gtgtttgatc ttgacattc 120
 tntgttgggg agcgattgga caaataaacg gcacacgcaa cagcttctgc ccaaaattcc 180
 tttggcatat ttttagcctt caacatacat ctagttatat taagaatagt tctatttttt 240
 ctctctgcta ccccatTTTTg ttgtggagat ctatgaaccg ttagagggcg acgaatccca 300
 tattnttcac aaaattcatt aaattctttt gatgtgaatt cgccacctct cttggatctt 360
 agagcttnga ttacataacc actcttcttt tcacaagagc tntataattn taaaaactac 420
 aat 423

<210> 6220
 <211> 291
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6220

tgcaagcttn ncaggacac cacattcctt ttgaaagttt gtgggcaatc acattctaaa 60
 tggccttagc ccactgtgag tttagacata tgaattagta gtatatgata ttatatacac 120
 acatacatat acttttctgg gcatgatcga gtctctatat atatataccc atacatttac 180
 tntggntaat ttaaacaatgt gaacatntgt tggntacga ggaagacaaa gctatattgg 240
 tgcgatgacac agggtcgcaa ttaaagcaga taaataattg tgtcataaat c 291

<210> 6221
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 6221

tgccacattc ttcttcacca gcttattgac aagtgaggca attgtacaaa aattaagaac 60

aaaccttcta tagaagcttg ctaagccatg gaagctccta atatgtccca cactttttgg 120
 ggtgggtcat tcttgatgg ccttgatttt ctcaaggtcc acttggaccc catttctacc 180
 aactacaaac cctaagtaaa ctatattatc taaacaaaat gtacacttct ctatatttgc 240
 atagaggggtg tttttcctaa agaaagaact tgcctgagat gtcctaaaag atcatctagg 300
 cttctactgt aactaaaaat atcatcataa taaaccacta ccaatctacc tatgaaatcc 360
 cttaagacat gatgcat 377

<210> 6222
 <211> 344
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6222

atgcttggca ggaacctaca cagggatgct agcttaccgt tcagcttctg aacttcttgg 60
 atgttggtgg ggctacgcat ctctagtatg gcagtgtatt tgcgggggtt ggcttcaatc 120
 cctcagtgag tgatcatgaa gccgaggaac ttgcttcac ctaccctgaa agtacatatt 180
 ttaggagtga ggcacatgtc atatttgcag agttcctcaa agacttggtc catgtccgcc 240
 acatgctgga ctatgctntg agacttgacg accatgtcgc ccatatatac ctcgatgttt 300
 catctgatct gctgataaag actcgggtcca tcagtcattg gtat 344

<210> 6223
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6223

tgaatattct atgcaacatg acatggttat ctgacaagct atgaatatgc ttcattcaac 60
 aatgctngat gcagaactat gatgcagttg ttggtgatgt atcgatagt tccacacggt 120
 atgaatatgc ttcattcact cagccctata ctgaaaccgg actgatgatg attgttccta 180
 ttaaatacaa gacaggtgat agaacgtggc tattcatgaa acctttcaca aagcgcatgt 240
 ggattctaata attggtcatc attgtctaca atgggttttg tgtatggatt attgaaagaa 300
 accaccgccc tgaaccggag gggcctattc tgcagcaaac cacaactatg ttatgggtgg 360

ctntctgttc ttgttctct ctgaatggga atttcttct gctgtggtca tctgttgatc 420
catct 425

<210> 6224
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6224

tcaagattca ttgtttccaa taacattaag cgaaagtcaa gtagattggc agccattctg 60
ggatgctagc atacttagaa gatggataaa tatttggggg tcccatgct ttctggtaga 120
gtcaagaatg aagacttccc ttatantttg gaatgattga acttgagatt agcagggtgg 180
aaaacanaaa ctctgagtag gtctggacgt gttactttgg ttaagtcagt gtgaaactca 240
atccccatat attccatgca aaatntctgg attcctcang ggatatgtga tgtgattgat 300
agaatctcaa gaagtttatt ttgggtaaca accatcatca ttgggtgggg tgggacataa 360
taacttagcc ctttgaggaa ggaaaacttg gagtctgtaa agttagagaa acaaatacaa 420
ctctcttagg gaaacatatg tggctctc 447

<210> 6225
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6225

tgtaagtggc tntcaaagcc tactctntat tctatgaata ttgttaatct gctaattggat 60
tcaatctctc ctcaggatat cactattgga gttgctattg gatcgtctac acagatatct 120
atgtttgtgg tatggcctcg aactgttatt aaatgttatt aagttgtttg gggatatacat 180
ttaccatata tttttgtgat taaactatcc tgaatttctt cttgtcatag gaggacattt 240
cttgagttaa ttaacttttt aaaattagtt aatcagatga tgatcattgg agaaagtga 300
tggttcttga tctcttgaaa attgtagatc ctttctgtg tagttgttgg atggtgcatg 360
ggaaaagaaa tggacttgaa ttttcaacta ttcgagactg ccacgctttt tatcactgtg 420
ttagtagttg catttatgat gcangtatgt tatttcttac ttgc 464

<210> 6226
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 6226

agcttgtagg gttaaagtct cactattgtc acgtgctcat gcaacaattg ttaaccgcgg 60
 ctatacaaga catattgccc aacaaagtca gggatttcat aactcgactg tgttttttct 120
 tccatgccat atgtagcaaa gtcgttgatc ctgtatagtt tgatgagctg gaaaatgagg 180
 ccgcaattat actgtgctag atggagatgt atttgtcccc tgctttcttt gacatcatga 240
 ttcacttgat tgtgcatctg gtcaaagaaa tcaaagtta tggacctatt tatctgcggt 300
 ggatgtactc agttgagcga tacatgaaga tcttaacagg gtatacaaag aatctatatc 360
 atccagaaac a 371

<210> 6227
 <211> 388
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6227

agctttgtcc gcaaaaatca ctaaaaaccg ttttaagggtc caacgcctta aacgatcctc 60
 tttgttttta tcggttaaca tggacctttc aaaagcataa aatcaacacg taactttacc 120
 gtttttgcaa gaactacgta ggtccgagtt cctcaccaca aatcgaggat acgtaggagc 180
 agaagccccg cttttgtcga ccacctcttt tcaaacaac caagagatcg ttaatgggtc 240
 aacgccttaa catttctcta ctttcaaaaa ccaagagatc gttaatgggtc caacgcctta 300
 acgtttctct cttttcanaa acaagagacc attaatgggtc caatggcctt aacgttctct 360
 cttttcaaaa tcaaaagatc gtttaatg 388

<210> 6228
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6228

agcttgtgaa tntgttgtgt tatttgtagc tgtcatatca taatactgta attatataat 60
attattatgt taaatcttat tgcaagtcta cactttcctt gagaccactc ttgtgactat 120
atcattactg ccacatttca aaacatactt ttctgacgga gaaattcctg gaacacctgg 180
cactcttgcc acaacttttc ttacttttgg ttaggtcctg aaacatgttt tctatttgag 240
ttgttgggtt catatttgac tttttataac actgttggat tgactgcagt tttgaatctg 300
gccttttccct tgagtgtctt gggatttctt gtcttgacg tgtcattggg agcttctaata 360
acaaccacta ttgaggtaag agtttgcact cttttccctt tcccttntct actttagaaa 420
tct 423

<210> 6229
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6229

cttgcttcta cagaacactt gggttttcaa agagaacaag ggatgggaca tcccttgtgg 60
atctttggct tgtaaaggat tntacaagg tgaagaaat ctcaagaacc gtaggttgct 120
tgaggactgg atgtaggcac gggttgttgc cgaaccaata taaaattttt gtgtttgtct 180
tcttcttccc tacactctnt aatttctgtt gtatactttt cttttacgct ttacttttgt 240
ttgaattaca taacttagta gtaaagccta attgaatctg gtaacattaa gaaggataag 300
attntaatta gtcaaagcac attaataatt aattcaacc cccctttcta attattctga 360
ngtcacttga tccaacacag gtctatt 387

<210> 6230
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6230

agctntgcag tagatgccac tctactctaa attttngaag gatatgtnga caaggaagca 60
catgtacatt catcangaaa acatcatagt ggaaggaaat tgtagtgctg taatccaaaa 120
gatccttcca cctacgtgca aagatcctgg gagtgttaacc attccttggt caataggaga 180

agtcaatgtg ggaaaggctc tgnatgatct gggagccagc attaatttga tgccactctc 240
 tatgtgcaga agactgggag agttggagat tatgccact cgaatgactt tgcaattagc 300
 tgaccgctcc attaccaggc cctacggagt gattgaagat gtgttggtca gggtaaagca 360
 ttttatcttc ccagcagact ntgtggatcat ggatatctct gaagatattg acatccctgt 420
 aatcttgg 428

<210> 6231
 <211> 463
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6231

tctttgagan aacttccttg ggaagctaga gcttagctac acacaccctt ttcataacta 60
 agctcacctc cttgagaagc ttgcttgaga agattcctaa agaagctaga gcttagctac 120
 acacaccttt ctaatagcta agctcacctc cttgagatga gaagctagag cttagctaca 180
 cacccttat aatagctaag ctcaccccca tgacaaaata tatgaaaata caaaaatgtc 240
 cctactacaa agactattca aaatgcctcg aaatacgagg ctaaaaccct atactactag 300
 aatggccaaa atacaaggcc caaatgaagg aaaaacctat tctaataattt acaaagataa 360
 gcgggctcat acttatcca tgggctcaaa atctatccta aggctcatga gaaccctang 420
 gccttcctt gggattttgt cccaatctac ttggagtctt tta 463

<210> 6232
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 6232

ctggagtttc caagtgccaa ttcgtcttct tctgtagacc actctttctc tggcttcaat 60
 tcacagcgg gctctccttc tgtgtacaac atcttgcgat gttcccagcc tttgatgaca 120
 gctttccagg tactgctatc cagtgaagc atgaaggcca ccatccttgc tttccagtat 180
 tcatagttgg ttccatctag gattggtggg ctgttcaactg gacctcctc gttgtgcatg 240
 ctcatcacia cttatctgcc tagatctcac tctgtgattt cgagggttgg ctctgatacc 300
 aattgaaatt ctgatgccag gggacagatg tcgtacatga tgtcacgaca tcacgcttca 360

taacatgcag tatatgtggg tctgtatg

388

<210> 6233
<211> 324
<212> DNA
<213> Glycine max

<400> 6233

agctttagc aaattcaaac cacaataact attatctctt atgtctgatt gagtccggtg 60
atztatctag acgctcgtaa atgaatacgg aagcacgtat caaatgcaaa ccgcattaac 120
atttaactca gatgtgcgaa tgaatcccgt aatatatcga gacgctcgga attgaaaaca 180
gaagctctaa gcaaattcta tacgacaatt actttttact cggatgtctg attgagtctc 240
gtaatatatc gagacgcttg aaattgaaaa cagatgctct gagcacattc aaaccacaat 300
aacatttaac tcggatgtct gatt 324

<210> 6234
<211> 482
<212> DNA
<213> Glycine max

<400> 6234

tagctacaca caccctctc ataactaagc tcaccttctt gagaagcttc cttaagaaga 60
ttcctaaaga agctagagct tagctacaca tacctctcta atagctaagc tcacctcctt 120
gagatgagaa gctagaactt agctacacac cccctataat agctaagctc acccccatga 180
caaaaaacat gaaaatacaa aaaaagggtcc ttactacaaa gactactcaa aatgccccga 240
aatacaaggc taaaacccta tactactaga atggccaaaa tacaaggccc aaacgaagga 300
aaaacctatt ctaatatatta caaagataag cgggctcata cttagcccat gggctcgaaa 360
tctaccctaa ggctcatgag aaccctaggg cctacccttg gatctctagc ccaatctact 420
tggagtcttc tacccaatgc ccttgcgggg taggatggca tcagtacctg gatctttaca 480
tt 482

<210> 6235
<211> 417
<212> DNA
<213> Glycine max

<400> 6235

agcttcaaga aaaagatggc ctcatttaat ttcttatttc cagaagggaa ttctatcaat 60
agacctccaa tctttaatgg agagggttac cactactgga aaacccgaat gcaaattttt 120
atcgaggcaa tagatctaaa tatctgggaa gccattgaaa tagggcctta tatacccacc 180
acagtagaaa gagtttcaat agatggtagt tcatcaagt aaagcataac catagaaaaa 240
cctagagata gatggtctga agaggataga aaacgagtac aatacaacct aaaagccaaa 300
aacataataa catctgccct aggaatggat gaatatttca gagtttcaaa ttgcaagagt 360
gctaaggaaa tgtgggacac tcttcgatta acacatgaag gaactacaga tgttaaa 417

<210> 6236

<211> 294

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6236

agnnctgtga taatgtntag gcgtacatta tgtatattat ccttcataag ggaaaggaaa 60
ataggatata aattatggat gttatcatgt tgatgctatt tgtgttttca tttcaaaact 120
tatcatggac ttgtgtaa atgtcttattga atttggaact gtgttatcaa cttaataact 180
tcaattatta ttttggaatt tggagtatga aataaacttt cttaatcaaa taatgttagg 240
tatatggtaa tatataatan atacatatat tattttgaat tttttatata tact 294

<210> 6237

<211> 465

<212> DNA

<213> Glycine max

<400> 6237

ggtatgccac tggttccaac ctctccatga tctgaaatgg ttcataaag cgtttggcga 60
gcttcaa atg agtggaaaccc ttcacgttg tttgtctata aggtcgtagt ttaactaaga 120
cccaatctcc gatattgaag ttgtgatctc ggcatgctc atctgctatg ttcttcatgc 180
gtgcttgggc cttcatcaat ttttgcttaa gtaacgcgat tacttctcc ctttgactga 240
gccactcatc cactgcttct atctgcgtag aaccttcgac ttagcgagg taattgggag 300

gttttcatcc aaaggtgact tcgaacggag ttaacccagt gggtgagtga acggaggtgt 360
 tgcattgacca ctccgcccac agcagataac gtcccatgt caagggtttg cgatgaacac 420
 aggcgcgtag gtattgctcc accacacgat tagccacctc cgtct 465

<210> 6238
 <211> 375
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6238

tgagcttggc tcattacatg tcataggcta tntttaaagg ctctgcttgg cttacataaa 60
 agcctaactt ggcctacgag cctatttaaa agcctgctta aagacgtctt taactaatta 120
 attgttttaa aacctagtaa aataataact aagaaagaaa acttataaaa tctgcgataa 180
 gtaatgtaca aatccaaaga taattgataa acaaaatcat atgtgaattc aacttattta 240
 aacacagagt atatcataag ataatgaaaa aaaaaacgcg taatattaaa aaatatatgg 300
 attagagatg atttatacta atatagacaa ataaaaatat ttaaattgtc tgaaaatggt 360
 ttacaaaaac attct 375

<210> 6239
 <211> 482
 <212> DNA
 <213> Glycine max

<400> 6239

tttgcagata atgtcaaggc tccaccaatt ctgttgtatg tggtgtccgc accatggcca 60
 ttatgaatgt gggggcatag atatgattgg ggaaattaag tccaaagctt cgaatgggca 120
 tcatttcac ctagtcgcta ttgattactt cactaagtgg gtggaatcca cttcatatgc 180
 taatgtgact agaaatatgg gggttagggt cacaataaag gagataattt gcatatatgt 240
 gttgtggagc aaaatcatca atgacaatgc caccaacctg aataataaga tgatgcatga 300
 gttgtgtggg gatttcaaga tccaacacca taattcgact ccttatcgac ccaagatgaa 360
 tgatgcagtt gaggccgcca acaagaatat caagaagatc attcaataga tgacagtgc 420
 atacatagat tagcacgaga tgttgccatt cgcattgcat ggatatcgaa cttctgtgca 480
 ta 482

<210> 6240
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 6240

ctgccacata gaatacccct gcaaggacat acccctcatg tgtgaaaatc tctttgccaa 60
 ccaagtaatc aacaaagtaa cttatcatat atggaccaac atacgagaca agagtagtga 120
 caccagcaaa cacagcggtta caagccgcct ccttcagaa ggatttgaga agtgcccaag 180
 ccaacgaagg ctgcccggat aggttttcag cttcaacct ctccaatta gaattcaaaa 240
 cettataatt tgtcttggat cggctcttcg gcgcaacaag gggaatgtcc ttaagctcaa 300
 gcggcctttt tgccccaatg gaaagaagt gattcaacca agacaaaatg gccaaagctaa 360
 aaagtcagc atcactataa ggagtaacct tgagacacc gggatcctca tcaacaagca 420
 at 422

<210> 6241
 <211> 316
 <212> DNA
 <213> Glycine max

<400> 6241

tcaatatctt tctaacagta atgagtaaag aacttggcct ttttagcata aactctttca 60
 taaacacatc ttcgagaaaa atataagaag ctaaaatgaa atgggtttct ccataagct 120
 aaaataaact aatgtacttc aagttttgga gaagttaa at gagagaggct ttataaaagc 180
 tatgccctta agtggatttt acctatgaga gaggtctttt aattcattta cttcttatt 240
 tatcatcatt aaaggctcat catggaaagt ttatcaaaca tcaactcact atgactatgt 300
 tgcttcaaat gtagtg 316

<210> 6242
 <211> 275
 <212> DNA
 <213> Glycine max

<400> 6242

tgagaatgga gaattgcact aagcaatcac tacgcatagc ttcaatctcg aaagtggagg 60

acacatgaac gaatacgcaa ttcattgggtc tccgaaaaga ttgagaatgg agaattgcac 120
 taagcaatca ctacgcatag ctccaaactc gatggtggag gacacatgaa tgataacgca 180
 attcatggtg ctccgaaaag atggagaatg gagaattgca ctaagctatc actacgcata 240
 gctccaaact cgaatgtgga ggacacatga acgat 275

<210> 6243
 <211> 436
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6243

agctntgagc anaatcaaac gagcaataac ttgactcgg atgtccgaat gaatcccgt 60
 atacatcaag acgcatctaa ttgataacgg aagctntgac caaattcaaa cgacaataac 120
 tntctactcg gatgtctgaa tgtgccccgt agatatcaag acgctattat atgaaaaccg 180
 atgctcgtag caaattcaaa gaacaataaa tntttacttg gatgtccgat tgtgtcccgt 240
 agtatatcaa gacgcttgaa atttagaaca gaagctctga gcaaaatcaa acgacaataa 300
 cttttaactc ggatgtccga tggaaatctcg taatatatcg agactcacga aattgaaaat 360
 agaagctttg agaaaattca aacgacaata attttgtact catgtctaac tgtgtcccgt 420
 aatatatcga gacact 436

<210> 6244
 <211> 483
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6244

tcaagaataa tgggtctcatc anattattta ttntctgtta ggatttctat aaataggcct 60
 tctattttta atggtgtggg ttaccattat tggaaaactt gcatgcaa at tttatagag 120
 gcaatagatc tgaatatttg ggaagccata taaatagggc cctgcattcc aactatggtg 180
 gcaagaaata caaccataga aaaacctatg gaagaatgga gtaaggagga aaaaagatta 240
 gttcaataca atttaaaagc caaaaaatata attacatctg ctttaggaat ggatgagtac 300
 tttagggat caaattgtaa aagtgcaaaa gatatgtggg ataccctaca agtaacacat 360

gaaggtacaa cagatgtaaa aagatctatg ataaatacat tgactcatga atatgaatta 420
 tntagaatga atccatatga gagcatacat gacatgcaaa aaagttcacat catataatta 480
 atc 483

<210> 6245
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6245

agctntacaa cagatgtcac tctattctct agttttcaaa gggatatgta acaaggaaac 60
 ataagtatat tcaccaggaa aacattgttg tggaaggaga atgtagtgt atgattcata 120
 agatccttcc acccaagcat aaagacccta ggagtgtaac cattccttgt tcaattggag 180
 aagtcactgt gggaaaggct cttattgacc tgngagtcag tattaactta atgccactct 240
 ccatgtgcaa aaggttgga gagttggaga tcatgcccac taggatgact ttacaacttg 300
 ttgaccactc cattaccaa ccatatggag taattgaaga tgtgttggtc agagtaaaac 360
 atattatctt cccgacagac tttgtgggta tggatatcta tgaagatatg acattcatga 420
 atattg 426

<210> 6246
 <211> 479
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6246

cgcagggata ttagcttaaa atgcttacia ttagtttacc atggaattat gatttaggct 60
 ttnttggggt atctgagctt gatgggtcag ctttctctt aattcccaaa aaatgctcta 120
 cctgaatcaa ttaaaaaaaaa aattttaaca gaaaaatgca aagctattcc acaaaagcac 180
 tttttctaaa gcttaaacac gtcctaaatt acctttcgat caccaagtta aacattatta 240
 acattaaaca ttaaacatag ttacttactt cttagcatgc caaaatcact ttttgccata 300
 atcaatttaa attttttttaa aataggttct taatgcagcc ataagtcaac tctcttacat 360
 catctttggt caatttcctt ctctcaaatt caaactcaag ttttgaaatg gggttgagtgg 420

atgggttcaca gtcattgttcg ccaagccagt gaagtaagga tcagataatg cctgatatc 479

<210> 6247
<211> 406
<212> DNA
<213> Glycine max

<400> 6247

cacctgccgc atgcaagctt gtaggggttaa agtctcacta tttgtatgtg ctcatgcaac 60
aattgttagc cgtgggtata cgagacatct tgccaaacaa agtcatgtta acgataactc 120
ggctgtgctt tttcttccat gctatatgta gcaaagtcac tgatcctgtc aagtttgatg 180
agttggaaaa tgaggccgca attatactgt gccaatgtta gatgtatttt tcccctactt 240
tctttgacat catgattcac ttaattgtgc atctggtcag agaaatcaaa tgggtgtgatc 300
ctgtttatct acggtggatg taccgggttg agcgatacat gatgatctta taagggtata 360
tcaagaatct atatcatcca taagcatata tcgttgagaa gtacat 406

<210> 6248
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6248

agcttattcg agcctgtgat gagcagcagc attgtttggga acttacatac ttatacatcc 60
aatatgatga gtttgataat gctgcaacca ctgtaatgaa tcactcttct gaagcatggg 120
accacatgca attcaaagat attataatta aggttgcaag tgtggagctc tactataaag 180
ctgttcactt ctacttgcaa gaacattctg atantttaaa tgatcttctt aatgtacttg 240
ccctacgtgt ggaccacacc cgtgttggtg atataatgcg gaaggctctgt atgtctcagt 300
ctgttttcta atgtgttaag tcttaatctt atnttgggtga ggttaataata ccgttcgaaa 360
ataatttatg caatattctt atttgttgct tgatttttat ggtttttaag ctggccaca 419

<210> 6249
<211> 405
<212> DNA
<213> Glycine max

<400> 6249

ctttatagaa ggttcggtcc taatttctct acaattgcat cacctctcaa tgagccggtg 60
aagaagaatg tggcatttat ttgggggtgaa aaacaagagc aagcctttgc tttgctcaaa 120
gaaaagctta ctaaggcacc tgttctagct cttcctaatt tttctaaaac ttttgagcta 180
gaatgtgatg cctctggagt gggagttgga gctgtattgt tacaagggtg gcaccttatt 240
gcttatttta gtgaaaaact tcatagcgcc accctcaatc acttaagtac atttgagggc 300
aaagcaagtt taacaagagg catgcaaaat gggtagagta cctagagcaa tttccatagg 360
ttatcaaata caaaaaggga acaacaaatg tggtagctga tgccc 405

<210> 6250

<211> 409

<212> DNA

<213> Glycine max

<400> 6250

acctgcgagc tgcaagcttg ctctctctct acacctgcag atgtattcta gtttctcaca 60
cgagatttta tgttgagtaa agctcgatcc agcgatctct tttgggaagc tgtttggcct 120
cttctgttag caaaaggctg gcgttctgaa cagcctatag atcaagttgt ttgtggatca 180
aaacaatctt tggtttttct tgtacctggc gttaacaaat gttcaagaag gaaactgata 240
aaagggtgacc actactttga ttctataagt gatgttttga ataaagtaac atctgaccct 300
gtgcttcttg agactgaaag tcaagcaact gacggcagtg tatataggga aaaaacataa 360
tacaacgaga cctatagggt gtgccaataa tggaacaagt tcattacct 409

<210> 6251

<211> 474

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6251

tcagataaac catagaatct ggcgataggt gcagattntt tattcatggc cagttggggt 60
accagggttaa ccaaggcatc tagtttacct tcaagcttct tagtctcacc tgatgaattc 120
gtggctatth catgcactcc tctaataaaa atagcatcac ttctggcact aaattgctag 180
gagtttgaag ccatcttctc aattaaattt ctggcttcag caggggtcat gtctctaagg 240

gctccaccac tagaagcatc tatcatactt ctctccatct tgctaagtcc ttcataaaaa 300
tattggagaa gaagctgctc taaaatctgg tggtaggggc aaatggcaca taatttctta 360
aatctctccc aatattcata taggctctct cactgagtt gtctaatacc tgaaatatcc 420
tttctgatgg tcgtggctct ggaagcatgn gaaaagtttt ctaagaatac tctc 474

<210> 6252
<211> 480
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6252

cgcttgcata tcctntgata aaccttcgat agtatctcag tgaggcctaa gaaacctctt 60
agctgcttga tattgagtgg ttagggccac tctagaactg cctgcacctt agtagcatcc 120
atagcaactc cttcacctga aactatatgt cccaagtact ctatctccaa tacaccaaaa 180
gagcatttag acaacttagc aaacaaaaca ttttctttca atactttgaa tacaacctct 240
agatggcata agtggttcag ccatgtggaa ctatatacca atatatcatc aaaaaaact 300
aacacatatt tccttatagc atgttggaat atatggttca tgaaacactg aaaagaagtc 360
ggagcattgg ttaaaccaga tggcattatt gtgcaaaatt ttgactatga tatggcaaaa 420
ttgccttatt ggccagaatt tgtttattgt tgcagcgaaa atttctttat ctgctgggtta 480

<210> 6253
<211> 366
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6253

agcttataac aatatatttg tctactcacc ttttttttca ttttcctact gcaacctctc 60
ttcttcactc taatgacagt aaaaaaattg tgacaaactc cgtaaaaaaa agtgaaaaat 120
gaagatttgt catagatgaa aagggataaa aacttgggtg gttatgggat aaagaaaaag 180
cacggcaaga acgggctttg gaaccatttc caaaagctct tcatctaagc cataaacgtc 240
acagcattct gcctcatcct ctggaagccc aagcccccaa aggaattgca aatcacccaa 300
atcattatac aacttcaatt ctttcgacga tacctttgca ctngtcattg cctccttttt 360

atactc

366

<210> 6254
 <211> 436
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6254

ctaagctgct tctacatgga tgacctcctt taaagttccc aacaaaacac tcactatcct 60
 aagagaaaat tgcctaaaat tattacacaa aaatggaagt agggtgacct attggaggct 120
 cccaacttac ttccaatgaa aggccttttt gttacaaaat ttgaaagcaa agcaaattgc 180
 caattacaaa aagaaagtcc tcaattgtgg tggctattct ctctttagtg tttcactcaa 240
 ttgtggtggc taaaccaata gagttttaac aagaaaaatt ntcaaggatt attcaacaat 300
 taaagcaatg aaaagcacac aaaagcaggc taggacccaa agagaaacct agaattggctc 360
 tagagtagag tagaanaacc aaaaaaaga ctgaagaaac ctctagtttt gacacttttg 420
 tttcacaata atttca 436

<210> 6255
 <211> 426
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6255

agctntgatg ttgtagttg tcatttcaat gtctcatagt gtcattctgt tggaatttga 60
 gaagaagatc aataaaatct tggctcctcta cttcggtccc atcttctttt gcaattntct 120
 tcttttcttg atgctctctt atgatgtttt ctaagacctt gtccacctgc ttgtgtaact 180
 tcttcaattt ggccatcttt ccagttatga aatataaaaa tggaattgaa ggaaacacgt 240
 cagcaaggctc aaatcctccc ccggattcta cgatttttcg gatcaaagac acaacaaact 300
 catcttgctc cttgtatatg ccaccaaagt ctaccctgga aatagaggca catatcaatg 360
 agaaaanttg actggtgaga ttgattgggg aacctgctgc ttcgcgaatg gagttgataa 420
 actttg 426

<210> 6256
 <211> 486
 <212> DNA
 <213> Glycine max

<400> 6256

ctaactga tgactgtccc aacatagcca cagagtatgg aatcataagc atagcaactg 60
 ttctgctctt caaaaatgga gaaaagaaag cgtaattggg gcagttccca agtccacctt 120
 gtccgcagca gtggataaat atgttgatgt ctaaaactgg aaaggaaaaa aaatgttata 180
 ataaggaaac gcttgatcat aaattataga ccatctttca ttttatgggt ttcaacactt 240
 caaaaaagta ctttgttgta tccacatctt ttataacatt ttgtaaagat tacattgtat 300
 aaattcccg tggagggaaa tcttcagtc tcttctctt ctctgttggt ccttctgcca 360
 tccattgcaa ttcacttccc attttcgatt actgaaccaa taatctatct tgcaatgtta 420
 atttgaaacc ataactccag gtttgtgagt aaattgaaat tccaatgtct tcatgggcct 480
 ttctag 486

<210> 6257
 <211> 476
 <212> DNA
 <213> Glycine max

<400> 6257

ctaagctatg ctgcaacatt tatatagacc tcctcagcag caaaaccaac tttagcagaa 60
 taattatgac ctttcaagca atagatacaa tccagggttg aggaatcatc caaatttgag 120
 atggacaagt cctccacaac aacaacagtc tgttctctct ttcaggatg ctgctggtcc 180
 aagcaagcca tatgttcctc ctccaatata gcagcagtc caataaagac aacaagagac 240
 tgaggctcct cctcaacctt acttagaaga gttagtgagg caaatgacca tccacaatat 300
 gcaatttcag caagagacaa gagcctccat ttagagtctg acatatcata tggggcagat 360
 ggctactcag atgaaccaag ctcagtccca aaattctgac aaattgtctt cacaaaatgt 420
 gcaaaattcg aaaaatgtga gtgccatcac cttgaggtct ggcaaccaa ttcaag 476

<210> 6258
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 6258

agcttactct cttcaggcac tactatgtcg tttttatctg ttacatttac ttcaccaggg 60
ttgtcgttta tgccttggag actattacct cctatcgta ttcttggacc agtgtggttg 120
ctgctgagtt ggccaccctt gctttctatt tgtttactgg ctacaagttc aagccagagg 180
ctcacaattc gtattttgtc atcgatgacg aagaggaata ggctgccgca gaggccttga 240
agcttgaaga tgaatttgaa ttgtaatttc tttcanaata caaacatagt tgttgaacaa 300
gttggtacca tgctcagcaa tgctctcagc tttcatctca acagccagta gaaatttgca 360
tgttacattg tatgggtata gtcattattc atgaatcatt gtgctatatt ttgtgttctg 420
gactcat 427

<210> 6259
<211> 341
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6259

agcntataca cagatgtcac tctattttat attttcaaag gatatgctaa caaggaaaca 60
tatgtatatt caccaggaaa acattgttgt ggaaggaaat tgtcgcgcta tgattcaaaa 120
gatccttcca cccaagcata aagaccctag gagtgttaacc attccttggt caattggaga 180
agtcactgcg ggaaaaggctc ttattgacct gggagtcaat attaaacttaa tgccactctc 240
catgtgcaaa aagttgggag agttggggat catgcccact aagatgactt tacaacttgt 300
tgaccctcc attaccagac catatggagt aattgaagat g 341

<210> 6260
<211> 465
<212> DNA
<213> Glycine max

<400> 6260

tggagtgggtg aaccacctga ttactcagga ttgaatgtgt ttgtatcact ggcttttgct 60
catgttaaac aaggaaagct tgatgcaagg gctgtaaagt gtgtgttcat tggctatcct 120
gaaggagtta aagggataca actgtggaac ctggtgagtc aaaatgtatt atcagtaggg 180

tggttttggc ttgtcgtgct ttccctttcg cttctccttc tgctcaagtg atcgagggtc 420
 ttcttctacg ccattctcct cgtctg 446

<210> 6263
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6263

gtcacctgcg gcatgcaagc ttagccctag aggggatgga ccttttcatg ttttggagag 60
 gatcaataac aatgcctata ggttggacct ccagaagag tatggagtca gcaccacttt 120
 taacatttct gatttaactc ctnttgtagg tggagctgat attgaggagg aggaactaac 180
 agatttgagg tcaaatcctc ttcaagggga aggggatgat gcaatcctcc ctaggaaggg 240
 accaatcact ataaccatga gcaagaggct ccaagaagat tgggctatag ctgctgaaga 300
 aggccttagg gttctcatga accttagggt agatntttga gcccatgggc caaggttggg 360
 tccaattatc tttgtacata ttagactagg atgtcattat atgtggctct tgtatttaag 420
 gctccatatt gtaggtaggg taccctagaa atat 454

<210> 6264
 <211> 493
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6264

actaagcttg caaggaagct agagaganaa agagatatag gaagcaatga atagcataga 60
 atgaattagc ttacaaagtg gggtattaca attgggtata tagttagtta taagaacaac 120
 taactcacia ctaactaaac taactctagc tacatagtga ttaaccaact aagctaactc 180
 tagttacaag tggatctacg ataagagatc ttttcaagct agaatggac atcagacatt 240
 ccttgcttga aatacagaat ctggaaagtg ctaggcatta aagccttagt gtagatatat 300
 gctaattggt ttgtagaagg gataggaaac aacttcacia tgtgctagtc aatctcaaca 360
 tgctttgtcc tttaatgaaa cacgggactt gcaactatat gaagagcaga tttgttatca 420
 cagtacaagg taggagggtg cagganatca attgtaaacc cagcaaatag ttgagccatt 480

<210> 6265
 <211> 437
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6265

agcttggtcc aagtttctca aacacctggt gtaaccattt gaattcaccc ttaacccccca 60
 ttatgtatat tggggaaatc aatccatcac aaatcaatca aatacttaca atacagatat 120
 gattacgata gtcaaaccag ttccgtatgt gcacacaact gcaaggaata aaccatttta 180
 accaatgcaa tggaatcaaa tatggtatgt catactggca tatataacat gtaagaaaag 240
 ttccaggtca aaatacttac cgattgctac ctttatcgtg tttcccaagc tgttgcaata 300
 cctcaatttc tatcatggct gcctctcgat acttctttat cccacggaca atntttatgg 360
 caaccatttc cttcctttct ctgtcccagc actccaagac ctgcccaaaa gttccttcgc 420
 ccattntact atggatc 437

<210> 6266
 <211> 476
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6266

tcaaaggact ctatagggct tgaaacaagc tattatgcaa tggtttgcaa gattatcatc 60
 ttttcttaag ttgcaagca atgtgctttt gaccattctt tgttcattaa gcatggttgc 120
 aacaçaattt ttgttttatt ggtttatggt gatgatattg tcttgtagg aaatgatttg 180
 cctgnaattt agagaattac aaatctactc gacaatgctt tcaaaatcaa ggacttagga 240
 gacctaaggc actttctggg gtttaaggta gctagaagct ctactggtat aaatctttgt 300
 caaagaaagt atgcactata tattttcaat gatggtggca tgcttagttc taagtcagct 360
 tccacacctt gtgattatac caccaagttg catcaacact catggtcacc tcttatcaca 420
 gaatatgctt nctcctatan gagattaata nggagattga tctatcttga ccacac 476

<210> 6267
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6267

agcttgaaat tgaacaacgg aagccttcta tatattcaaa tggtcataac ttgtcacacg 60
 gaagtcgat taacgcgcag actatatcga gacgctcgaa attgaacaac gaatgctctt 120
 gagaaattca tatggccata acttgtcaca cagatgtctg attcaggcgc ataatatatc 180
 gagacgctcg aaatctaaca acggatgctc tcgacaaatt caaatgggtca taacttgtca 240
 cacggaagtc cgattcaggc gcataatata tcgagacgct cgaaattgaa caacgaatgc 300
 tatcgagaaa ttcanatggt cataacttgt cacacggaat acagtggaga aattcatatg 360
 gtcataaact tttgaacgga agtctgattc acgcgcataa tatatcgaga agcttgacat 420
 tgaacaac 428

<210> 6268
 <211> 471
 <212> DNA
 <213> Glycine max

<400> 6268

tatgtaccca ccatggtggc tggaaatata acaatatata ttctcttaga agagtgggtct 60
 gaagaagaaa gaagattatt gcagcacaat gtataggcta aaaaaatcat tacttctgcc 120
 ttacgaatgg atgaatattt tatggtttca aattgtaaga gtgctaagga tatgtgggac 180
 actctacaag ttacacatga gggaacaact aatgtcaaaa gatctaggat aaatactgta 240
 actcatgagt atgaattatt tacgatgaag acaaatgaaa gtatactaca tatgcagaac 300
 agattcacac atatagttaa tcattcttgca tcattatgaa gaacttttct aaatgaggat 360
 ctcataaata aagtgttaag atgtttaagt tgagagtggc aaccagaggt tatagccatc 420
 acagaatcta gagaattgtc tattaatgct ctgcgtactc tatttgga a 471

<210> 6269
 <211> 460
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 6269

tagagccaat tcaaacgaca ataactnttt actcggatgt ctgattgaga ctcgtaatat 60
aacgagacgc tcgaagttaa atgtttaagc tttgagccaa ttcaaacgac aataactttt 120
tactcggatg tttgattgag tctgtcata tatcgagaca ctcgaaattg aatgttgaag 180
ctctgagcca attcaaacga caataacttt ttactcggat gtgtgattga gtcccgtcat 240
atatcgagac gctcaaaatt gaatgttgaa gctctgagcc aattcaaacg acaataactt 300
tttactcgga tgtctgattg agtctcgtaa tatatcgaga cgctcgaaat tgaatgttga 360
acctctgagc aaattcaaac gacaataact ntttactcgg atgtctgatt gagacccgta 420
atatatcgag acgctcgaaa ttgaatgttg aagctctgag 460

<210> 6270
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6270

agctnngca agatgactaa ggcaccatgg actgtggccc taagccagag gatatgtgca 60
tgccaccaa gtgtgcctct ttggcctgta agagtaaagt tatagactta tgcctggccc 120
ggttgaattg ggcactgngt tatgtatgct ggcccatcag cccaacctgt tctcaagtgt 180
ctgacaccat tcatgttcaa tttcaattca ctttataatt tttgcatacg taataactaat 240
aactaatgaa gaaagcactc actgcctatc agtttcgtat atacagttgg tagttaatgg 300
tttaatttac tggatattaa atcatgtaat ttacaattca attgatcaat gaagaccatt 360
agatcaatga aactaaaaca tatgggatgt tcatttggtc ttacgaaaga tcatttcatt 420
tttcgtc 427

<210> 6271
<211> 322
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6271

cactagagag cttctaagta tatgacatgt ccaacttgta cgttttatat ctaatgtaca 60

ttctacanaa tcagaatcta aaaagcctgt taagtataag gaggtacctc tgggatacca 120
 caaacctaca ttggttgtgc ccttaagata cttaatgata cttttaacaa cagataagt 180
 aaattcctta ggatttgatt ggtatcttgc acataagaaa acactaatca tgatatctaa 240
 tctacntgta gttaggtaga gaagtaatcc aatcatactt ctgaatcttg attcatgcac 300
 tattttacct ttctcatcta ag 322

<210> 6272
 <211> 346
 <212> DNA
 <213> Glycine max

<400> 6272

cagcttaagc tggcaagctg ctctaaccaa atattcctcc agtgatecaag cattccatac 60
 caaaaaacaa ttcaagtatg agcaccaagc cttatcaaaa gcagcaagct gagatctgaa 120
 ggtacaaagc ttcattgatg gatgctgaga cagactcttc atcagacact tgtattggac 180
 catctagtat aatctttatc aacaactcaa acatttggac aaactcttgt gcacatattg 240
 ctagagaatt ctacattctt cccattccac tgaaaacggc atctggatga cccaatatca 300
 tataaccaca aagaacaact ctacaggat accttgataa cctaac 346

<210> 6273
 <211> 372
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6273

tcgtgtatct caataatgag atcttgtgct caagaaagct ttatctttcc aacccgattc 60
 taggagcaag tggacgccta attacgaatg cccatatgtc gtcaagagaa ccttctcttg 120
 tgggtgactg actcttacga ctatggatgg agatgagctc cctcgttctg tgaatgcgga 180
 tgcagtcaag aaatactttg tctaaaaata aaacaacagc tcggtaagtc ataaccgaa 240
 agggcggtct atgcanaaat gagcgtctcg gtgggtcgaa aacccgaaag ggcggcccag 300
 gcgaaaatta tagacatcat acagaagaat aatcagcctg atatgtcgaa taccgaaag 360
 ggcatctat gc 372

<210> 6274
 <211> 209
 <212> DNA
 <213> Glycine max

<400> 6274

atgtgtcggg atgatttctc caaatgtacc tgagtaaact ttatcagaga gaaatcagaa 60
 acctctgaag tattcataga gttgagtcta agacttcaaa cagagaaaga ctgagtcac 120
 tagagaatta cgagtgcct ttgctgagaa ttagagtaca gcaggatcac tgaattctgc 180
 acatctgaat gcatcacaca tgaattctc 209

<210> 6275
 <211> 312
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6275

cttcttatac caatgtgacg aggagtgtgg tggtcagatt cataaagaac gaactgattn 60
 gtcgatgcgg actccctatg aagatcatta ctgacaatgg caccaatctg aacaacaaaa 120
 tgatgcatga gatgttgctt tntgccttgc atggacaggg ctgtggaggc tgataataaa 180
 tatattaaga agattataaa gaagatgacg gtgtcataca tagattggca tgagatgttg 240
 cctgttgctt tgcattgata tcgaacctcg gtacatactt ctactggggc aacgccatac 300
 ttctctgttt at 312

<210> 6276
 <211> 372
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6276

agttatgacc atttgaatnt cttgagagct tctgttggtc aatttcgagc ttcttcatat 60
 atcatggggc ttaatcatat acccgagtca naagttatgg ccgtttgaac ttggccagag 120
 tttttgtgtt ccatttcaag cgtctcgata cattattggc ctgaatcaga catccgagtc 180
 attagttatg acagttcgaa tntgccaaga gcttccatgt tcaatttcga gcttctcgat 240

atattatgtg ccggaacgc acattcgagt ganaagttat gaccatttga atntctcgtg 300
 agcttccatt ggtcaatatt gtgcgtctcg atatatcata ggcctcaatg aaatacccgga 360
 gtcacaagtt at 372

<210> 6277
 <211> 291
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6277

gagttttact ctctagtaat cgattaccag tttactgtaa tcgattacca gtgacaagtt 60
 ntattntcaa anagctntca actgaattta taatgtttca atcaatttca aaatgggtgta 120
 atcgattaca atatattggg aatcgattac aagtgtgtct gaacgttgaa attcaaattc 180
 aattgtgaag agtcacatcc tttcacaaaa atgctgtgtc gtaatcgata caatgatttg 240
 gtaatcgact accagtgata agttttgaat agaagtcaaa agatgtaact c 291

<210> 6278
 <211> 199
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6278

tcttcatgga tggatntgct cctttgacat ctcggtggctc tcagcaatac aaggccttga 60
 gtgtgccaga gctgacacag catatgtggg attcaaagaa catgatgtga gctgctgacc 120
 ctcgacatgg acgctacctc actgactcag ccatgtttag aggcaagatg agcaccaagg 180
 aagtctacga acatatgat 199

<210> 6279
 <211> 380
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6279

aactacgtac ganagctatc tagacatcgc ccgtttctaa tagctcatca cccttacgga 60
 agaatgaaaa aagaatttaa tggaagtcaa gagcacgaaa ctgcgcggat accgttaact 120

ggtgagcagg tcttccagcg gattgaacac ctttaacta tattgggaca gacccaaaag 180
aaggataaaa gtaagagttg catatggaag aagatgntcc atttctttga tcttccgtac 240
tggtctgaac tagatgttag acattgtatt gatggatgc atgtagagaa aaatgtatgt 300
gacagcgtca ttgggacact ccttaacatt catggcaaga cgaagaatgg tctaaatacc 360
tgtcaagatc tagctgacat 380

<210> 6280
<211> 325
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6280

gttgatggc ttgaaacaag caccgaggca gtggtacata gaagttaatg agtntatgag 60
caactcagga ttcataagat gtgacatgga ccattgctgc tatgttaaaa aatatactaa 120
tagttatgtt atccttgttg tgtatgtnga tgacatgttg atngcaggat ctagtatggc 180
agaaattaac aggtngaagc agcagttggc agaaaacttt gaaatgaatg atcttggtcc 240
agcttaacaa atccttggtg tgagaattct tagaaacaga tcagaangga atttgaagct 300
gtctcaggag aaatatatac acaag 325

<210> 6281
<211> 310
<212> DNA
<213> Glycine max

<400> 6281

tctggttgtt tctggtgcgg agatgatggt acagcgggtg aaccagaagc ggaagtttct 60
tttggtgagg tagccatgga aaagcagagc agttggaatg atttcgtaaa tttcagaagg 120
ctattgtgaa atgctggtga aaacacgaat gccaaacaga tataaatttg aatgaagaat 180
gtagagggtc gtgtgaagca acggtcgaca tttccttggt tcagtagtga acgcgctatt 240
aatgttaagt gattcgttcg ggcacgttca gattgctgta gttgctataa ttcctctagc 300
acacaaatgc 310

<210> 6282

<211> 378
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6282

gcttaagctc cttcaactgc acaatgctct taatatttga agagtatcct tgtgtaacct 60
 tcacccgacg aagacactga caaatactta tcttctcctt cttggacaaa gtatggcagg 120
 ctgggggtgca agtaaatttc ttcccatcag acgttggatg caactgtgat cgtataccca 180
 tatcagttag atctcgacgg gtattcaagc catccttcgt cttgccttga atggtaagga 240
 gcgtcccaat cacactatca caaacatctt tctccacatg aataacatca atacaatgtc 300
 taacgtcaag atcacaccag tacggaagat caaagaaaat ggacctcttc ttccatatgc 360
 aactctgact nttattct 378

<210> 6283
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6283

ttaagtcacc tgagctgcag ctaagattct tactctttcc gagattggat caaacgatta 60
 atctttcttc actggaagga atcagccaga tgggtggagta ttccatccca atctatccca 120
 tgtgcatgcc atgtaagtta tgttgcataa tctgcattag caaaciaaacg cctaaacctt 180
 ggaatgatca gaagatacta ttacaccttt gctagggggc ctttctttgt gctttcatca 240
 ctgctgaact catcatcatc cttcactttg taccatgata cccacacct ggggcatnta 300
 tggagttctt caaactcatg tctgtgcaat atgcaatcat tatagtattc atgtattttt 360
 tatactccat acccattaga cacaatatct tcttcgcctg ataataactn tntggcaaca 420
 tgttttcttc tggaacacat gctaca 446

<210> 6284
 <211> 305
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6284

gcaaataacc aactgataat tgccttcttt ttgtttcctt atcaacggaa gctgcccagt 60
gtcttcaagc atcaaatcaa tacaatgagc tgcacaagga gtccaataaa tatgttttct 120
tntatccatc aacaacttac ccgctaaaac atagttgctc ccaatatcag ttacaacttg 180
aacaacattc tcttctccaa ctctctccac aataacatca agcaactcaa aaaacttttc 240
agctgtctnt acaaaatcag aaccatcaac agacttcana aacatggtag cagcttgaga 300
gtaat 305

<210> 6285
<211> 405
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 6285

atcttaagtc accgccgctg cagcttgagt cttcttatct cttcccaaac ttattctttc 60
ctatgccacc catgtaactn gttgcaccag gaactnggag catccactac aagaagcgaa 120
agtaaagggt aaattgattt gatcaaagct actatagatt cagagtatta ctaagtacta 180
acaaggtaga tacatacttg agcaaccttg attgaattat gagtggcacc ttccagcaca 240
caaacaaaaa agaaatagta gaagctgtca ttatgacata tgcacttcca ctggtcattn 300
tataaagttg gcttatgata tntaaatatt aaagcaatta tatagaatcc aatactccgg 360
atctaagca atacctccaa caatgggtgct cacattatat atttt 405

<210> 6286
<211> 299
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 6286

gatgtagttg gacaagtggc ctcaataact taagaggagg ggtcaattaa gtcttacaaa 60
atttcccacc aacaaatctt atcccccttt taaattatat atgataggct cagaatgcag 120
aagaataaga agaaacaatc catttaacaa tgttctctta catgcgcaag ataaagtaaa 180
ctgcagtata ataactgaga taacggaaga gagacatgca nactcaatnt atactgtgtt 240
agccatttcc catacctatg tccagtcctc aagcaaccca cttaagattt tcaactatct 299

<210> 6287
 <211> 278
 <212> DNA
 <213> Glycine max

<400> 6287

ggatcccatt tctaccaact acaaacccta agaaaactat attatctaca caaaaaagac 60
 acttctctat atctgcatag aggggtgtttt tcctaaagac tgaaagaact tgcctgagat 120
 gtcctaagtg atcatctatg ctctactgt acactaaaat atcatcataa taaacaacta 180
 caaatctacc tatgaaatcc ctttaagacat gatgcataag cctcatagag gtgaatgggtg 240
 cattagttag cccataaggc atcactagcc actcatca 278

<210> 6288
 <211> 270
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6288

acctgaactc aggatgtgtc tcatgcattt tactcaacac ctggttcaca ccagtttgag 60
 aggaacttcc aatgagctct taanaaccgt ggatactgcc caacaacata cctgccaaca 120
 aaaagatata ttattaaaag aaacagaact aaacaagcaa aacacagcaa gatggaatgt 180
 gtgaataatc cttacatgat attactcgca ataaccagct tggtatcttn ttcctttgtg 240
 atttcacata nggttaataa atcgcgaaatg 270

<210> 6289
 <211> 160
 <212> DNA
 <213> Glycine max

<400> 6289

tttcttecta cccgagactc attgggtcgac tcatatacct caataacact cgtcccgaca 60
 tcgcgtacgc aatacaacag cttatccaat acatgtctag tcccacggat gcccatctgc 120
 aagcagccta ccgcatatta caatacctca agggcacacc 160

<210> 6290

<211> 338
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6290

agcttctagt gggacatctt gacttgcctt ccaatctgac attcaccaca gattctgcct 60
 tcttctattn tcagatagag aatgcctcta acagcacctt tgtcaatgat tttcttcatg 120
 cctcttaagt gcagatgtcc aaatctttga tgccatattc tgacttcac tttcttggag 180
 gatagacatg tggaggagta gctggcttct tgggggtgcc ataggtaaca attgtgcttt 240
 gatctgctgc ccttcattag aacttcactc ttctcatttg tcaccaagca ttctgactgt 300
 gtgaagttta cattgaatcc ttcacacac agctgact 338

<210> 6291
 <211> 448
 <212> DNA
 <213> Glycine max
 <400> 6291

gacactataa atctcagctt ggtttaaatt tcgagcgtct cgatatatta cgggactcaa 60
 tctgacttcc gagtgaaaag ttattgtcgt tagaattagc tgcgagcttc ggttttaaatt 120
 ttcgagcgtc tcgatatatt acgggactca atcgagcttc cgagtgaat gttattgtcg 180
 ttgaatttg ctacgagctt cggttctaaa tttcgagcgt ctcgatatgt tacgggactc 240
 aatcggactt acgagtgaat tgttattgtc gtttagcattt gctgtgagct tcggttgtaa 300
 aatgcgagcg tctcgatata ttacgggact cagtcagact tccgagtga atgttattgt 360
 cgatagcatt tgctgcgagc tacgggttta aattttgagc gtcttgatat attacaggac 420
 tcaatcgagc tttcgagtga gatgttat 448

<210> 6292
 <211> 432
 <212> DNA
 <213> Glycine max
 <400> 6292

agcttggtag caaattcgaa caacaataac ttttcaactc gaagtctgat tgagtcgtgt 60
 aatatactgt gacgctcgaa ttttaaaacc gaagctcgta gcaaattcga acgacaataa 120

catttcactc ggaagtccta ttgagtcctg taatatatcg agacgctcga attttaaaac 180
 cgaagctcgt agcaaattcg aacgacaata acatttcact cggaagtctg attgagtcctc 240
 gtaatatatc gtgacgctcg aattttaaaa ccgaagctcg tagcaaagtc gaacgacaat 300
 aacatttcac tcggaagtcc gattgagtcg cgtaatatat cgagacgctc gaatttttaa 360
 accgaagctc gtagcaaatt cgaacgacaa taacaattca ctcggaagtc tgattgagtc 420
 ccgtaatata tc 432

<210> 6293
 <211> 449
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6293

agcttctaaa ctntgtacaa gaatgaagct ctgataccac ttgttagaca agtggcctca 60
 gatattcttaa gaaggggggg gttgaattaa gatattccaa actgtttccc ctaattgaaa 120
 atctattttt ctttttactt aagttatgaa ttcccttaat gacaatcttc ttaaataatta 180
 attcaaatga agcaacttga atatgaatat aaagcaataa taaataaagg agattaaggg 240
 aagagaaaaat gcaaactcag ttttatactg gttcggccac acccttgtgc ctacgtccag 300
 tccccaaagca acccgcttga gagttccact aacttgtaaa ttccttttac aagttctaaa 360
 cacacaagga caacccttcc tttgtgttta gatattctntt acaacaagag actcacagtc 420
 tcttaatccc ttagagaatg agaagaaga 449

<210> 6294
 <211> 439
 <212> DNA
 <213> Glycine max
 <400> 6294

ccttgctcta aagataagtt acagcctggt tattgggtcac attatgatgg atacgtgaat 60
 agggtttaat catatcccat gttttggtga aactagaca ctagataaca tcattgagtt 120
 atcatgtcct atatttgacg cggaccaaatt atttatagga taggatataa attatgttca 180
 aatgaaaaaa ataagatttc aataaaatta catataattt ttaaaaatgc aacttttaat 240

ttaattttta caaattataa aaagattaca atttaactaa attatacaaa attattttta 300
 attatgtatg acgtaatttt taaagttata gaaaaaattt atataagatt tttaaattta 360
 taattattgt tcaaataaga aaaatatttg aataagaaat agttagtttt taatggaggt 420
 tcattctctg tccaatggg 439

<210> 6295
 <211> 377
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6295

agctngtaag gtagccataa aggagcttga atcccacat tcttgatgtg gagaagaagt 60
 aggtgatgaa gatactagtt gcaggatcat ttatcccatt tcagatagca cttgggtttc 120
 acctgtccaa gtgggtcccta agaagtcgag caccaccgtt gtgaagaacc aggataatga 180
 gttgatcccg aatagagtgg ccaatagttg ataagtttga attgattata ggagacttaa 240
 ctaggaaaat tgtaaggacc acttccctct cccattcatt gatcaggttc tagagagggt 300
 tgtaataccc tgagatatta taagttataa atcaatgttt aattggatnt attgtgttgc 360
 ttgactatat gatagac 377

<210> 6296
 <211> 384
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6296

agcttgtaga agcaaaaggc cagctatggt cttcaagggt tgatttgaaa aggcctatga 60
 ctcagtctca tgggcttttt tggattatat gctgtaaaga atgggttttt gtctcaaagt 120
 gagacactgg atttctgcct ctctcaattc agcaaccatt tcaattcttg tgaatggcag 180
 tcctacaaag gaatttgctc ctactagctc ctactagagg cttgaggcaa ggggaccctt 240
 tatatccctt actcttcaat atagttggag aaggcatcac tggattgatg aggggaagcaa 300
 ttcacaagaa tttatatcga agttacatgg ttggaaagaa aaaggaaccc attaatatn 360
 tgcagtatgc ggatgacaca gtat 384

<210> 6297
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6297

ctcatcttgg tgggtgaagct ccttcttctt tgctcatctt ttctccatt aagcatcctc 60
 tagcttgctt tttttgtgct tttcattgct ttaattgttg aataatcctt ggaaatttgt 120
 cttgttaaaa ctctattggt ttagttttca tttcattttt ttttgccttt ggttattgct 180
 tgtctctttg tttccttgct tgtgagttgc catataggga attggaaagg agtattggtg 240
 ccatatcttg aagaatttga gtaaagaagc aaggggccaa ccaccttaag agctattgga 300
 ctaagaagca ctccaaattg agtgaaacac taaagagaga atagtcacca caattgagga 360
 cttttttttt tgtaattntg taattgacaa tatgttttgc tctcaaattt tgtaacaaaa 420
 aggcctttca 430

<210> 6298
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6298

gnaagctcct tccacagcac acagctctta agatttgctt gtatcctcgc ggaaccttca 60
 cctgacgaag aactgacaa aaacttatct tctccttctt ggacaaagta tggcaggctg 120
 ggggcaagta aattttcttc ccatcacacc ttggatgcaa ctgtgatctt ataccatat 180
 cagctagatc ttgacgggta ttcaagccat ccttcgtctt gccttgaatg ttaaggagca 240
 tccaatcac actgtcacia acatttttct ccacatgcat aacatcaata caatgtctaa 300
 cgtcaagatc acaccagtac ggaagatcaa agaaaatgga cctcttcttc catatgcaac 360
 tctgactatt atccttcttt tgggtcttcc caaatacagt gttcagggtg tgaacccgct 420
 gatatacctg ctcaccagtc aat 443

<210> 6299
 <211> 406
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6299

agcttgctgt cgtcacgggc ccgagtcttc ttgtctattg ggttgacatc atgacccatt 60
taaacttttt ttttccggtg aagaccata tcaaggtttt ttaaaaatat attttatgaa 120
ttaatttaaa attaattggcc ccgtagcttt taagttatta acacaacact ttaaccaact 180
gaactaataa gataattgtg ttataaaata attaattgtc ttatatataa cactaaaatt 240
tataatgtat atttaataca catgcaaatn tacataataa aatttaatgc accaaaatta 300
aatgtcacan aaattattat gtaaantnac atgtgcatta tatatacatt agaaataaaa 360
aaaaataatt tgtaaacatt tttaannttt tttttaaaat gaatcc 406

<210> 6300

<211> 320

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6300

gtcagcagat tcaaacganc aataaatttt actcggatgt cttatatatg tcccgaatac 60
atcgagacgc tcgaaattga atgttgaagc tctcagcaaa ttcaaacgac aataactttt 120
tactctgatg tctgattgag tcccgtata tatcgagacg ctcgaaattg aatgttgaag 180
ctctcagcta attcaaacga caataacttt ttactcggat gtctgattaa gtcccgtaat 240
acatcgagac gctcgaaatt gaatgttgaa gctctcagca aattcaaacg acaataactt 300
tttactccga tgtctgaatg 320

<210> 6301

<211> 433

<212> DNA

<213> Glycine max

<400> 6301

taaacattca acttcgagcg tctcgatata ttacgagtct catatcatat atccgagaaa 60
aaagttattg tcatttgaat ttgtcagag gttcaacatt caatttcgag cgtctcgta 120
tattacagga ctcaatcaga cattcgagta aaaagttatt gtcgtttgaa ttagctcaga 180

gcttccacat tcaatttcga gcgtctcgat atattacggg cctcaatcag acatccgagt 240
 aaaacgttat tgctgtttgg attggctcag agattcaaca ttcaatttcg agcgtctcga 300
 tatatgacgg gactcaatca aacatccgtg taaaaagtta ttgctgtttg aattggctca 360
 gagcttcaac attcaatttc gagcgtctcg atatattaca ggactctatc agacatccga 420
 gtaaaaagtt att 433

<210> 6302
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6302

agctttgagc caattcaaac gacaataact ntttactcgg atgtctgatt gagggccgta 60
 atatatcgag acgctcgaaa ttgaatgttg aagctctgag acaattcaaa cgacaataac 120
 tatttactcg gatgtctgat tgagtcccgat catatatcga gacgctcgaa attgaatggt 180
 gaagctctga ggaaattcaa acgacaataa ctttgtaccg agatgtctga ttgagtctcg 240
 tcacatatcg agacgctcga gaatgaatgt tgaagctctg agctaattca aacgacaata 300
 actttctact cggatgtgtg attgagtcct gtcatatatc gagacgctcg aaattgaatg 360
 ttgaagctct gagccaattc aaacgacaat aactctttac tcggatgtct gattgaggcc 420
 cgtaatatat c 431

<210> 6303
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 6303

attttcaatt tcgagcgtct caatatgtta tgtccccgaa tcaaacaatca gggtgagaag 60
 ttatgaccat ttcaattttt ctagagctat cgctgttcaa attcgagcgt ctagatatgg 120
 tatgcactta aatcggacat ccgagtgaag agttatgacc atttgaattt ctcaagagct 180
 tctgttggtg aatttcgagc atctcgatat attatgtccc cgaatcggac atgcgagaga 240
 caagttgtga caatttgaat ttctatagag ctttcgttgt gcaatttcaa gtgtctcgat 300
 atattatgcg cctgaatctg acatccgagt gaagagttat gaccattgga atgtctcgag 360

agcttttcg

368

<210> 6304
<211> 141
<212> DNA
<213> Glycine max

<400> 6304

tctcattcca gcctgcatgg agatattcaa caacaacatg ggcaatgctt ccaaccacat 60
agacacagcg aaacgcgaag atgctgctta cttaactgaa catgacctgt tgcagatacc 120
atatagagcc cgctccatgg a 141

<210> 6305
<211> 325
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6305

agcttaaaca ttcaacttcg agcgtctcga tatattacga gtctcaatca gacatccgag 60
taaanagtta tggtcgtttg aattggctca cagcttcaac attcaatttc gagcgtctcg 120
atatatttcg ggactcaatc agacatccga gtaaaaagtt gttgtcgttt gaattcactc 180
agaggttcaa cattcaatnt tgagcgtctc gatatatgac gggactcaat cagacatccg 240
agtaaaaagt tattgccgtt tgaatttgct cagaggttct acattcaatt tcgagcgtct 300
cgttatatta aaggactcaa tcata 325

<210> 6306
<211> 361
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6306

agcttgtggg tggaggacgc atgaacgana ctactatttg gngctcctaa aaaggggtga 60
ggatggatga atgcactaag caatcactac gcacggctcc aagctccagg gtggaggacg 120
catgaacgaa aaagcaattc atggggctcc gaaaaagggg tgaggatgga gaattgcact 180
aagcaatcac tacaaacggc tccaaactcg tgggtgaagg acgcatgaac gaaaacgcca 240

ttcatggggc tccgaaaaag ggttgaggat ggagaatngc actaagcaat cactacgcat 300
 ggctccaagc tcctgtgtgg aggacgcatg aacgaaaatg caattcatgg ggctcccaaa 360
 a 361

<210> 6307
 <211> 374
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6307

agcttcttat gtcaaaccce ataatgctct ttgactgaga gtaggcatga aacttttggg 60
 ctagacagat caccaagttt aatcttatac agatttcctt gtctcttagc ctagaagagt 120
 gaagagtttt ccttgttctc aatgatacac atatacttgt taaaagtgc attgtatcca 180
 ctatcacata tattacttat gctaagcaaa ctatgcttca accctttaac aagcaaaaca 240
 ttatctatag aaggataagg aggaatacat actttaccta caccaattat cagacctttc 300
 tgattccgtt cgaaagtgc caccctacta gacatagggc ttagggatgg aaacatacac 360
 tnttactta tcat 374

<210> 6308
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6308

tccttganaa gattcctaaa gaagctagag cttagctaca cacactcact ctaatagcta 60
 agctcacctc cttgagatga gaagctagaa cttagctaca cccccctata atagctaagc 120
 tcaccccat aacaaaatac atgaaaatac aaaaaaagtc cctactacaa agactactca 180
 aaatgtctcg aaatacaagg ctaaaaccct atactactag aatggccaaa atacaaggcc 240
 taaatgaagg aaaaaaacct attctaatat ttacaaagat atgcgggctc atacttagcc 300
 catgggctca aaatctaccc taaggctcat gagaacccta gggccttccc ttggatctct 360
 ggcccgatct acttggagtc ttctatccaa tgcccttggt gggtaggatt gcatcaggag 420
 tagaaaatat agagcataca agaaaaactt a 451

<210> 6309
 <211> 429
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6309

agctntcaag aatcaagatc aagattcaag actcatgatt caagaatcaa gagaagactt 60
 aatcaagata agtatgaaaa ggttttttca aaaactgagt agcacatgga tttttctcaa 120
 aacatgttta ccaaaaagtt ttgactcatt ggtaattgat tactagattg ttgtaatcga 180
 ttaccagtag caaaatgaat ttgaaaaagt tttcaaatga atttacaatg tttcaattga 240
 tttcaaaaag ttgtaatcga ttgcaatggt ntggtaatcg attatcagtg tctttgaacg 300
 ttgaaattca aattcaaattg tgaagagtca catcctttca cataaaaagcg ttgtgtaatc 360
 gattacactg atttggtaat cgaataccag tgattggttc tgaataaatc aaaagatgta 420
 actcttcaa 429

<210> 6310
 <211> 323
 <212> DNA
 <213> Glycine max

 <400> 6310

taccacaatt cgcacccttc tatctgtggc tgctattaac gactgtcact tagaacaact 60
 agacgtccac gatgctttgc ttcatggtga tctgcacgat gaagaatatc tggatctgcc 120
 tctgcgttc atactgcctg cttcatcttc taatcaagcc tgcacattac ctaagtactt 180
 atacggacta gctcatgcta ccagacagcg gttctccag ctatccaact gctattatct 240
 ccctaggata cataccttca tctgatgacc gatctatgct cacacaacta cataaatctc 300
 atttcactgc tcttataatc tat 323

<210> 6311
 <211> 403
 <212> DNA
 <213> Glycine max

 <400> 6311

ctgcaagctt gaaatcttca tttagcatag tcacagtaag tataaacagc aaataccccc 60
 cccccccaa attaaaagga aaaaaacaac aggaatattt gggatagatg tgatcaaaat 120
 gtcaaagcca ataccttttag atactgcttg atcttgtcta cctcaaggaa agaaaaatct 180
 atcttaacta caacagcaag aacattcttg taggcattga caaatagtgt ggtgcagcag 240
 caagtgttag gtatgagaaa gccaatgaaa gtgaactaac aatcgagaca ccaacaatac 300
 aatcagttaa atagtaagaa tataaataaa ttgaaaagta tgcaaataatc actttacctt 360
 gtacttagca acctcctcac taacctcctt cagttcacct ttg 403

<210> 6312
 <211> 454
 <212> DNA
 <213> Glycine max

<400> 6312
 ctttcagata acctaacctg gatattgaat cagagcctgt atactcacca ttcttgtcaa 60
 acattgcaat cttttggaca ggtccaaagg cagagaaaac ctgccacaga aaacagagta 120
 aagaaggat atattatcag ctaaagtgtta ccattagtca gtaatgtcag aaataagcaa 180
 ctgccactgt gacttaaagt accatgtgta agacatccaa gggtacagta tactgcatgt 240
 tctcaataga tgcaagaaga acattactct cggcctccag tctcttccca tccaaaccca 300
 ccatgggctg caaaaattaa aaataataag ttaagaacac attcctcatt gaggaagtca 360
 gcatgaatgg caacccttg gtagtaggca cacctcactg atgtgtatga ggtgaatatc 420
 aagttacaat aagcaattcg gagggttcca ttg 454

<210> 6313
 <211> 482
 <212> DNA
 <213> Glycine max

<400> 6313
 atcctcttag tcacctgcgg catgcaagct tctttgagaa aacttccttg agaagctaga 60
 gcttagctac acacaccct ctcataacta agctcacctc cttgagaagc ttccttaaga 120
 agattcctaa agaagctaga gcttagctac acatacctct ctaatagcta agctcacctc 180
 cttgagatga gaagctagaa ctttagctaca caccctaat aatagctaag ctcaccccca 240

tgacaaaaaa catgaaaata caaaaaaaaaa gtccttacia caaagactac tcaaaatgcc 300
 ccgaaatata aggctaaaac cctatactac tagaatggcc aaaatacaag gcccaaccga 360
 aggaaaaacc tattctaata tttaaaaaga taagcgggct catacttagc ccatgggctc 420
 aaaatctacc ctaaggctca tgagaaccct agggccttcc cttgatctct agcccaatct 480
 ac 482

<210> 6314
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6314

agcttcgata tcttgacttg agcttcaata gattccttgg agaaggatg gcaattcctt 60
 ctttccttgg gacaatgact tccttgactc acctcgacct ctcttttact ggattccagg 120
 ggaagattcc tcctcagatt gggaatctct caaatttggg gtatcttgac ctgagatatg 180
 ttgccaacgg aacagtaccc tctcagatcg ggaatctctc taagcttcga tatcttgact 240
 tgagctacia tgattttgaa ggtatggcaa ttctttcttt cctttgagca atgacctcct 300
 tgactcatct cgacctctct cttactgaat tctatgggaa gactcctcct cagattggga 360
 atctctccaa ttnggtctac cttgacctcg gaggtattct ggtttcaacc ttctctgttg 420
 ctgaaatgaa aatgggtata agtatg 446

<210> 6315
 <211> 368
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6315

agcttgcctt gcccttgat atattttatg gtttcatggc cactatgaat gacaaattcc 60
 ttgggataaa tgtagtggtg ccatgttttc aaagcccgtc ctaaggcata caactcctta 120
 tcataagttg aatagctaaa ggtaggacca cttaactttt cactaaaata agcaattgga 180
 tggccttctt gcatcaacac agccccaatc ccaacattag aagcatcaca ctcaanttca 240
 aaagattttt gaaagtttgg caacgcaagt atggggggcat tagttagctc ttgcttaaga 300

acattgaaag cttcttcttg tttctctccc catatgaaac caacattntt cttgagcact 360
tcattgag 368

<210> 6316
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6316

actcaagctt agggagttgt tctaatagtt ntctgtgcat gtcttgctga tatagagaga 60
gagattagga aactgagagc cagtcagcca gagaactaaa tgtgtgtaaa ttgtcatatg 120
atattatctg cagataatgc taatcaatga tattcatctg accttccatg gaactcaaac 180
tgttctgtgg aaattgaaga tttctgcaac tctttcccag tcagtttctc ccaaatttag 240
actacctctc tcttgataa tatgttttct ggcggcctta tgtaaactgt cttgtttgga 300
gttctgggca ttgcttacc ctaaagaaaa ctaagcattg cttattgatg tcatgtgctc 360
cttgctcatg atttgatcaa tgtcccaaaa tttctagatc atttgattaa atnttatttt 420
caagtcgcta gaagacaatg caattcttat catcatt 457

<210> 6317
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6317

actggatgca tatgttaact tggtaaccca tctagccttg aaccaaaaat cttgtcctgt 60
tgcaagggtc tgtggtttgt gtcctctgc tgaccaccat atataccttt tgccttccat 120
gcagcaacct ggaacaattg agcagcccga agcttatgct gcaaatattt acaataaacc 180
tcctcaacct tcgcagcaaa atcaaccaca gcagaacaat tatgacctct tcagctatag 240
atacaacct ggatggagga atcacccata tctccgatgg tctagccctc agcaacaaca 300
acagcagcct gtccttttct tncaaaatgt ngttgtccca agcagaccat acattcctnc 360
accaatccaa caacagcaac agccccaaaa caaaccaaca gtg 403

<210> 6318

<211> 387
 <212> DNA
 <213> Glycine max

<400> 6318

tgcacttatg catttccttg tgttttctat agacatccag ggttggtcca tatgctgctg 60
 aagatatgat tgagatgggt aaggatgctg gcaaggagct tctgtctcgg gctggaccta 120
 acttcttcag tagttagcag cagatgatta aagtgtgatc aggtacacac aggtttcatg 180
 gtcagctttc ggctattgct tcctaagtta attcattctt tgacctgttg taactttaga 240
 gtagataaaa tgttcaattg agtttgggaa agaggacctc tcattatggg caaattgttg 300
 tattatgagg atattataat gccaatTTTT tacgtagctt gtataattac cacgatagtg 360
 gacttttgag aatcacgcta aatacac 387

<210> 6319
 <211> 331
 <212> DNA
 <213> Glycine max

<400> 6319

agcttgagca aattctaacg actataactt ttacttggga tgttcgataa agtcacgtaa 60
 tatatcgagt cgctcgaaat agaatccaga aggtgtgaga aaattctaac gtcaataact 120
 ttttactctg atgtccgatt gagtcacgta atatatcgag acgcccga aa ttcaattcat 180
 aaactctgag caaattctaa cgacaataat tgtttacttg gatgtccaat tgagtcccgt 240
 gatatttcga gacgctcgaa gttgaatata taagctctga gcagattcta acgacaataa 300
 cattttactt ggatgttcga tatagtcacg t 331

<210> 6320
 <211> 283
 <212> DNA
 <213> Glycine max

<400> 6320

tgaattgctg gatataatat atggaaagaa atccatccga tattactact cattactatt 60
 atgattgaaa ttaatattta atttagtatg tgagacttga ataaacataa aatcttaaaa 120
 attttagaat aaaacatttt tacaaattgt ttttacattt ttcaaataat aataatacta 180

atatagacat attataatTT agtattttaat ttctattcta aaatattaat gtaaaatatt 240
 ataataaata aagcggttact atctaatatc attattatta aaa 283

<210> 6321
 <211> 421
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6321

agcttggttag ctagatgact tgnecatatac attttcttga ctagcatcaa atcagagaat 60
 taaacctgga catcttttag aaatgcttgc tgaattaaga caggcagaaa tccagtgtct 120
 ccatttgga caaaaaccca ttctttgcag catataatcc aaaatagccc atgagactga 180
 gtcataggcc ttttcaaaat ccaccttgaa aaccatagct ggccttttgc ttctacaagc 240
 ttctcaatc acctcattaa gaactagtac gccatgcagg atgtgtctgt tttttatgaa 300
 agttgtctgc ctctcatcaa taagaccaga tatcactgt ctcaatctat ttgctaataa 360
 cttagctatc accttgtaca tacatccaat caaggagaat ggtctgtagt catcaaatga 420
 c 421

<210> 6322
 <211> 291
 <212> DNA
 <213> Glycine max

<400> 6322

agccttatgt gtatctcttt tgcgagaaga atatcccttc atttctctga cttacctcta 60
 tgccgaggaa agaactcatc aaaccaaggt caggcatctc agaggcttc atcatgtctt 120
 ctctaaactc tatcatcatc ttactattga ttcccggtga gataagatca tctacatata 180
 gagagagtaa gagagtgtac tgcccttgag acttgatgta aagtgtaggc tctctcttgc 240
 tcctcctgaa tcctcgatcc atgaaatact gatcgattct tctataccat g 291

<210> 6323
 <211> 365
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 6323

agctntgaaa tccntatatc taatccaagg tagatgtttc ataaatggga ttcctttgct 60
tgtgttggtt gattctggtg ccacccattc ctttatatcc tgtttgtgtg taggaaaact 120
taagctttct gtgtcttctt taaataaaga tatagtagta gagacccta ctagtgggtc 180
tgtgttaact tctgatgtgt gtttgaattg ttctgtggag atttctggta ggatattctt 240
gattgatttg attngtttgc ctttgagcca gatngatgtt attcttggtg tggactgggt 300
atcttccaac catgtcttgt tgaactgttt tgagaaaagt gtggtgtttg atgattctgg 360
agtga 365

<210> 6324

<211> 466

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6324

taagctcctt caactgcaca aggctcttaa tattngaaga gtattcttgt ggaaccttca 60
cccgcgaag aactgacaa aaacttatct tctccttctt ggacaaagta tggcaggctg 120
ggggcaagta aattttcttc ccatcagacc ttggatgcaa ctgtgatctt atacccatat 180
cagctagatc ttgacgggta ttcaagccat ccttcgtctt gccttgaatg ttaaggagcg 240
tcccaatcac actgtcacia acatttttct ccacatgcat aacatcaata caatgtctaa 300
cgtcaagatc aactagtac ggaagatcaa agaaaatgga cctcttcttc catatgcaac 360
tctgnacttt atccttcttt ggggtcttnc caaatacagt gttcagggtg tgaacctgct 420
gatatacctg ctcaccagtg aatgggatcg gcacaatatc atgctc 466

<210> 6325

<211> 380

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6325

agctnttaca gccattaatc aacaatttaa cttatatatg agatcatatt tccttttcgg 60
aactgtactg atgcaatcct acctcgcaag ggcattggct agaagactcc aagtagattg 120

ggctagagat ccaaggaaa gccctagggg tctcatgagc cttaggatag atttcgagcc 180
catgggctaa gtatgagccc gcttatcttt gtaaataatta gaatagggtt ttccttcgctc 240
taggccttgt attttggcca ttctagtagt atagggtttt agccttgat ttcggngaatt 300
tttgagttgt ctttgaata aggacttttt tttgtatttt catggttttt gcatggnggt 360
gagcttagct attatagggg 380

<210> 6326
<211> 406
<212> DNA
<213> Glycine max

<400> 6326

agctcgacaca ttgctgttta ataaagaaa atttatactg gaagccttgg tacttcgaca 60
tcaaacgatg catcataaac aaggaatacc cgtaggaggc ctctgacaac gacaacgaag 120
gttgggtggcc agcttcttcc tgagtgggaa taccctatac aagaggaacc atgacatggc 180
actgcttcga tgtgtggatg ccagagaggc taatcaaatt ctggtagagg tgtatgaagg 240
atccttttagc acgcatgcca atggacatgc cttggcccgaa aaaattctga gagggggta 300
ttactggctc actatggaga gcgattgttg catccatgtg aggaaatgcc ataagttcca 360
ggcctttgct tgatatgtta atgctccacc catacccttt acggct 406

<210> 6327
<211> 352
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6327

agcttaccac cncagagtgc cttggatatt aatctgagag cagaagcttc catagaggaa 60
gagaatgatg gagagggaga aagagagaga gtggcgtgga aattgaagga gaatatgaag 120
tgatgcaatc ctatcccccaga agaagattgg accaaagatg caagagaagg ccctatgatt 180
ctcataagcc ttagggtaga ttttgggccc atgggctaag cataagctca cttatctttg 240
tacaatattaa attaagaatt cattatcttc gggccttgta tttagggtc cataatgtat 300
ggtcgggtacc ctactaatgt aggatgtttc agcctttgat tttatggcac ct 352

<210> 6328
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6328

agcttgtaat cgattacaca catactgtaa tttattacca gaagagtttn tcagaaaaca 60
 ttctcaacag tcacatcttt ttgtgtggct cttgaatggc tatcataggc ctatatatat 120
 gtgacttgag acacgaattt gacaagagtt tttcagaaca aaaaaggctc tatcctctta 180
 taaagagaaa tcgttttatc ctcttataaa ttccttgggc aaattacttg tgattcaata 240
 aggtattatt tgagtgtca aattgttcaa tctatctctt gcaagagaga tttcttcttc 300
 tcttgttctt cattctgaaa agggattaag agaccgaggg tctcttgttg tgaaagaatt 360
 ctaaacacaa aggaaggatt gtccttgtgt gtttagaact 400

<210> 6329
 <211> 262
 <212> DNA
 <213> Glycine max

<400> 6329

ctcagcttat atatatcgat acgctcgaaa ttaatcatcg gaaactctct ggaaattcaa 60
 atagtcataa ctattcacac ggatgtccga ttctgacgct taatatgtcg agaggctcaa 120
 aattgaacaa cggaagctct tgagaaattc aactgggtatt acttttcaca ccgatgtccc 180
 aatcaagcca attacatctt cgagacgcct caaattgaac caccgaagct cttgagaaat 240
 tcaaatggtc ataacatctt ac 262

<210> 6330
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6330

ctgcattcat gcaagctcct tactatngga ctaattaact ttgtttacgg gtgcatgatt 60
 tattttcacia ccaaattaaa ttgaattcca ttggtcacga gtcagtaaca acagtacgat 120
 taaatcactt tatcttttgt ttggtgcggaa ggaaaagata agttatacct attgaatgac 180

ttgtgtcaat aaaccaact tttttcttt atgttatttt gtttttacat aaaatcccaa 240
 acgttttttac tttcatggag acttataaaa aaatatagaa ttaaattcaa taaattttta 300
 cagtcaatth ttttaatacat tctaatatgt gtaccaaag aaacatgatt tcaattaaca 360
 aagttttacc tttatactaa tacattatth aatgaatnta aatttgtaac ataattaaag 420
 tcattaatgt agt 433

<210> 6331
 <211> 459
 <212> DNA
 <213> Glycine max

<400> 6331

ctcgtgtatc atacattata tcatcaatg aggtgcttga gagtatttgt actgcctcgg 60
 gtttaaaggt aagtattgaa aaatcaagat tttatgcatt caagaatgtg tccaatacca 120
 agaggggtca aatagctagc atcattaatt tcccctacac ctttaatttg ggcaagtacc 180
 taggggtcct tatcttcaact agccatgtca ctaagaggga attcaacttc attctggatc 240
 acattcaagt caaattggca agctggaagt ccaagctcct gagtaggggt ggcaagggtga 300
 ctttagctca attaataattg gcctttatcc cctcatatgt catgcaaac tatcttcttt 360
 taaagggtac tctgcaaagc tatcgatact ctaataagaa agttcatttg gggtagcaac 420
 tcttctcact ttctcgattg agagactatt tctaagcct 459

<210> 6332
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6332

ntaagccaat tcatacgaca atttctttnt actcggatgt ctgattgagt cccgtaatat 60
 aacgaaacgc tcgaaattga atgttgaagc tctaacccta ttcaaacaac aataacgttt 120
 tactcggatg tctgattgag tctcgtaata tatcgacacg ctcgaaattg aatgttgaag 180
 ctctaagcct attcaaaca caataacgtt ttactcggat gtccgattca gtgacgtaat 240
 atatcgagac ggtcgaaatt gaatgttgaa cctatgagcc aatttaaacg acaataactt 300

tntactcgga tgtctgattg agtcccatca tatatcgaga cgctcaaaaa tgaatggtga 360
ccctctgagc caattcaaac gacaataact ttttactcgg atgtctgatt gag 413

<210> 6333
<211> 316
<212> DNA
<213> Glycine max

<400> 6333

agcttaagct tcttttctgc acaaggctct tattatttga agagtatcct tgtggaacct 60
ttacccgacg aagacactga caaaaactta tcttcttctt tttggacaaa gtatggcaag 120
ctgggggcaa gtcaattttc tcccacacag accttggatg caactgtgat cgaataactca 180
tatcagctag atcttgacag atattcaagc catccttcgt attgccttga atgttaaaga 240
gcgtcccaat gacactgtca caaacatggt tcttcatacg cataacatca atacaatggc 300
taacgttcag tatgga 316

<210> 6334
<211> 362
<212> DNA
<213> Glycine max

<400> 6334

tatcttgatg tactaagtct tccaactcca tattatcctt tatatcacta tgtagcccat 60
gtaggaaaca agccatagta gcctctcgat cctccataac attagctcta ataattggaaa 120
cctccatctc cttgtaatac tcatcaacac ttctactacc ttgtgtgagt cttttagtct 180
ttttatgaag gtctctttga taatgagaag gaacaaatct tcttttcac aaccttttca 240
tttcttccca actatccact aagggttctt catatcttgc cttctctctt tgtaattggc 300
tccactagat gagagcatag tcagtaagtt ccatgactgc caccttcac tttttatcct 360
cg 362

<210> 6335
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6335

atcacatgat ttattataat cattaatctt attcctacat ttcaattgaa tattatactt 60
attccatgga taacttctat aattataaaa caatggcct tgttatacat taattatata 120
cttgatgcta gtaaaaaata taacaaaatt ccactaaaat atttatgtga ttaaattaa 180
ttctctaatt taattatcaa ataaattatt gtcttttgta aatattgaa cactctgtgt 240
gaccatgtaa gatcaatata aagtaatcat aattaattta tcaatcaagg taagcatcta 300
gcaacactct ntagcgccg gatagcatga attaacatcg tttttctcta cgaaccaata 360
gaagaataat ctaatatgtc ctgccatcat ttataact 398

<210> 6336
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6336

tgtataaaag aagcatggtt actgctagac tacattcaat tttaatcctc aatttatgac 60
tttatagaac aatactataa gacttcatct attttagtat ttctatcaa agtaacacaa 120
ctagaacatt ggttgctgca tttntggttg acgtgctctt agtaatgcct attgattgaa 180
tatggtcctt tgcttcaaat tttagtgtt tgctcctgca tttctgttt taacatcttt 240
ctttgaaata tttatttctg atggtaggc ctttgatata atgtctcaat caagagctgc 300
atcttcttca aatgtagca acaatgaaag taagagtcaa atatttaaag aaaaactatt 360
attaccttaa gaaaggcca ttcacagagt taattcttaa ttngttattg agtatttaac 420
aaanatatta tgacaatntg gtctgtcac a 451

<210> 6337
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6337

gacagttata atactaagct tatgcttaac tatgtatggc aatacattat tactgntggt 60
tattacatac aagttagctt gtaacaaatc ttctagactt ggagtgatca catgcagacc 120
tcttgaacc ttaccacca ctctgtcatc atgccgagac tcgggaaggc caacaggttt 180

agccttctca atgtattctg aataaaattc aatgacttct tctacaatgt acctctcaac 240
aatagatgct tcaggatgat atagattctt tgtataccct attaagatct tcatgtatcg 300
ctcaactgga tacatctatc gcaaataaac aagaccacaa catttgattt ctctgtccaa 360
atgcagaatc aagtgaatca tgatgtcaac gaaagcaagg gggaaaatac atcntccaac 420
tggaac 426

<210> 6338
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6338

catatagatn gaatcctagt tcctctaagg acttatcata atatctgctg gctgatcatt 60
agaattaatg aactcagtga taatctcctt ggacaataat ttctctcaaa tgaaatgaca 120
atcaatctct atgtgcttag tcctctcatg aaaaatcgga tttgaggcaa tgtgaagagc 180
tgtttgatta tcacagtata acttcatttg caccacttta caaaatctca attcttggac 240
aaatagttta atccacataa gtncgcatgt aaccatagcc ataaatcgat attcggctct 300
tgcactggat cgagtaacaa caagttgctt cttgcttttc caagagataa tatttcttcc 360
aatgaaaaca ctatccagag gtagatctcc tgtccatggg acaaccagcc caatccgcat 420
cacaatatcc agaggtagat ctctgtctt catacaacaa tc 462

<210> 6339
<211> 457
<212> DNA
<213> Glycine max

<400> 6339

tgaccaggaa ttacttgtat ggtttggatg ttgaattctg gttgttctg gcgcggagat 60
gatggtacag cgggtgaacc agaagcggaa gtttcttttg gtgaggtagc catggaaaag 120
cagagcgttt ggaatgattt cgtaaatttc acaaggctat tgggaaatgc tggtaaaaac 180
acgaatgcca agcagatata aatttgaatg aggaatgtat agggctcgtg gaagcaacgg 240
tcgaattttc cttgggtcag tagtgaacgt gctattaatg ttaagtgatt cgtttgggca 300

cgttcagatt gctgtagttg ctataattcc tctagcacac aaatgcccag cttgcccctc 360
acgttttcaa actgatttgc atccaaagcc tttgtgaaaa tatctgctat ttgttccctca 420
tcgtcaacat gcttcagtgt gatcactcta tcatcaa 457

<210> 6340
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6340

tcctcaattt ctctcattaa gaatcaaagt tccatgaaga atatgtctgt ctttaaatgaa 60
agctgtntgt ctttcatcaa ttaaggcagg tataacctgt ctcaacctgc ttgctagaag 120
cttagctatc actttgtaca tgcagcctat caaggatatt ggtctataat catttangga 180
ctgaggatgg ttaactttgg ggataagagc caagaaagag gcattgctgc ctctatggaa 240
acaactcgtg acatggaact catccacaaa tcttctgaac tctgggtgta gcacactcca 300
gaattccttt ataaaattga aattaaaacc gtccggccca gggcacttat ctccaccaca 360
actccacact gctttcttaa gctcctggtc tg 392

<210> 6341
<211> 282
<212> DNA
<213> Glycine max

<400> 6341

agatggacca tttcaagtgc ttgaaagaat ctatgacaat gtttacattt ttgagctgcc 60
cggtgagtat aatgttagtt ccaccttcaa tgtctctgat ttatctcttt ttgatgcaga 120
tggaagaatcc gatttgagga caaatccttt tcaagaggga gagaatgatg aggacatgac 180
caagagcaag ggccatgatc cacttgaaag acttggaaga cctatgacaa gggctagagc 240
aaggaaagcc aatgaagctc ttcaacaaga gttagccata ct 282

<210> 6342
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 6342

cgtggcatct gtgtgcaata cacaatgctc ggtacaccac aacaaaatgg tgtatcagaa 60
agggtgaata gaacattaat ggatatgatt aggagtatgt taatcaattt gactttaatc 120
atatctttgt ggatgtatgc cttgaaaact gtcattgtatt tgttgaatag gattcctagt 180
aaggcagttc caaagacacc tttgaactgt ggacaaatag gacaccta atgaggtacc 240
tgcattgttg ggggttgcaa gcagaaataa ggatttataa tctgcaagaa agaaaattgg 300
atgcaagaac aatcagtggc tatttcatta gttatccaga gaaatcaaag gggatatatgt 360
tttattgtcc taatcataat atgagaatng tcgaaactgg aaatgcaaga attcattgaa 420
atggtgaaat cagtgggagt acagttccac gagaagtgga aa 462

<210> 6343

<211> 397

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6343

gtcttgtgtg gnggtttctg ctacaaaagg agagttcaag anatgattag ccaatgggtg 60
atacatggac ggagatgaaa aagatcatga ggaagcggta tgtgccggct agttactcaa 120
ttgacttgaa attcaagctc caaaaactaa cccaaggcaa caaggggggtt gaggagtatt 180
tcaaggaaat ggatgtgctc atgattcaag cacatattga agaagatgag gaggttaacta 240
tggctcgatt tcttaatggg ttgactaatg atatccgcga tattgttgag ctgcatgagt 300
ttgttgaaat ggatgatttg cttcaciaag caattcaagt ggagcaacca tttaaaaaga 360
atggagtggc ttagaagagt cttaccaact ctggttc 397

<210> 6344

<211> 332

<212> DNA

<213> Glycine max

<400> 6344

ctcttacgaa caaagaggat aggcttacag gctttagtgt ccctcacctg agaagtgctt 60
cacaggcaga tgctcttcca gtcattggag tcaatcttgt agaaagcata atactcctcc 120
tttgtgatct cctaaggctc tgacatccaa atggccttat gcttggtcac caacgagcat 180

tcattgtgaca cttccttgct gaggaaaaaa aaatgtgaca cttccttaat cttctttaaa 240
 ttactttctt cttctctggt cgtcttcgca acatgctcca cctaagtaca ttaaaaaatt 300
 agatattgaa gtcaaagtgg tattcaaaaa ta 332

<210> 6345
 <211> 378
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6345

agcttgata tatnttggt agtaatgctg tattaaactc tgcactctgc gagcatcact 60
 cttaaattatt tatgtcttga gctcttcttc tccagggcca ataactctctt ggtggctcctt 120
 gttcctggat agtagtagtt gaaacttggg tctattgaga gggctctatg gtacaaagga 180
 tcgagctgcc aataggggtgc actgcaagtg ccagtggcat gtgattaagt ggtcattgggt 240
 gaggccagat gcttgcatga atgaatgaac cactggtgga ccaacgtacc taaagcccct 300
 cctcaccatg tctttgctta tgctctctga ttttgatgct ttcactgaaa tcttcggggcc 360
 aaacttgat tgagtga 378

<210> 6346
 <211> 446
 <212> DNA
 <213> Glycine max
 <400> 6346

tcttagtttc agatgatgca gatgggcttg tagctacctc atgcactcct ctaatgacta 60
 tggcatcatt tctggcgcta aactggtggg agttggaagc catcttctca attaaatttt 120
 tggcttcagc aggagtcatt tctccaaggg ctccaccact ggcagcatct atcactcttc 180
 tctccatatt gttgagtcct tcataaaaaat attggagaag aagctgctcc gaaatctgat 240
 ggtgagggca actggcacat agtttcttaa atcgctccca gtactcatac aggctctctc 300
 cactgagttg tctaatacat gagatatctt tctgatggc tatggctctg gaagcaggga 360
 aaaaattttc taagaatact ctcttaaggt catcccagct cgtgatggac cttggagcaa 420
 ggtaatacag ccagtccttt gccact 446

<210> 6347
 <211> 445
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6347

agaggatgct gaagatgaat cagtggagag gttcttgtgc catggaatgt tgtatttgcc 60
 atcaggattg ggaatttggg tgtagtaagg ggatgatgag ccagggctng gattgtagga 120
 agcacatgga cttggatggg aagatgagca agggcttgct gctgctgatg atccaccaac 180
 tatctccatg ccctctgaag gcttgcaccc ctaattgtac acaaaatata ttttcattaa 240
 ctgatcataa tatgtggcat gtaatacgat ttccatcacc aaaatctttt caaatataac 300
 aaataaatca tttgtaagac actctaataa actccttcac gttgggtcca gtaaataatgt 360
 ggatgtttgg tagatttatt ccaaactcagg gaaactcaga ttaactcaac caataaaaaa 420
 aatgtgttga aaagaagtaa tgcac 445

<210> 6348
 <211> 348
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6348

gtaccgggcc ggactgggaa gtcattgcang ctccgggtgt gcaaccagct gtcgccccaa 60
 gtcgagcacc gggccttcac accggaagag gacgagacca ttattcgggc ccatgcccgg 120
 tttggttaaca agtggggcac cattgcgcgc ctctctcgg gccgcaccga taacgccatc 180
 aagaatcact ggaactcaac cctaaaacgc aagtgcgcgt cttcatgat ggcgggtgat 240
 gaagccgtcg ccgtgagtcc gagggcgcgc aagcgatcct tcagcgccgg cgcggcgggtg 300
 cctcctcccg gaagcccctc cggatccgat ttcagcgagt ccagcgct 348

<210> 6349
 <211> 368
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6349

agcttgtaat ctatttcaca catactatat attgattacc agaggagttt ttcagaanac 60
attctcaaca gtcacatctt ttcacatctgtt tcttaaataag ccatcaaagg catatatata 120
tgtgacttga gatacgaatt tgacaagagt tttgaagaac acaaaggtct tatcctctta 180
acaagcacia ttgtttttatc ctcttacaca ttccatggcc aaaacacttg tgattcaata 240
gagaattatt tgagtgtca aattgttcaa tctatctctt tcaagagaga taacatcttc 300
tcttcttctt tattttgaaa agggattacg agaccgatgg tctcttggtg tgaaaggatt 360
ctaaacac 368

<210> 6350
<211> 461
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6350

ntaaggttag atgaaataaa atgtatccca agcanccatt tttttttggtt ttaataattt 60
gaggtcatta aagtttagat gaccatacct caagtgtac agtatggact catccatatt 120
ctcacatttc aatgcattgt tttgccccaa tggcataaat agaggaaata ctttattagg 180
agccattttg atagaaataa tttggccctt tcttttatga atgatattac atttatcatc 240
atcaaagatg actttataat ttttatgaat aagttgacca acacttagaa gattttgagt 300
aagacctgnc acataaaaaa catcatggat atatnntttg ctaccatntt gagttttaac 360
agcaatggtg ccttttnctt tcaacttttg aacattttca tcaccaagtg taaactttga 420
atttattgtc tcatctaatt gcacaaagca actttttggtt t 461

<210> 6351
<211> 302
<212> DNA
<213> Glycine max

<400> 6351

tgtgcctctt cagctctgga atatgaatgt agcatataga tcttaagacc cttatgtgct 60
ttgctgatgg ctctctcccg ttccaagctt caattggagt cttgtctttt acagacttag 120
ttggacatct gttgagtatg taaacagcag tgtagactgc tttagcccag aatgtgtag 180

gtacttgagc atcgatctag ccatctccat aactgtgcca ttctttctct cggacactcc 240
 actttgttga ggaggatatg cgactgtaag ttgtcgctca attccttcat cctcacaaaa 300
 tc 302

<210> 6352
 <211> 424
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6352

ctataaatct cagcttgata cacttcttca ttacgaatc tattcagaaa ggaactctcg 60
 gcatcgattt gatacaactt gatgtcttta tgtgctgcat atgataagag tattattatg 120
 gcttcaagct tgctactagt gtaaagggtt cttcatagtc aatcccttct tgttgattgc 180
 accttcagca actagtctag cctgtntgac tacttctcct tcttcattga gcttattttt 240
 gaacacccat ttggtttcaa tgactgactg attccttggg ggggaacaag attccaaacc 300
 ttgttcttag tgaattgact acatttctct tccataacaa acacctaaga atctngactc 360
 aatgcttcat caatattctt aggetcaatg gttgagaaaa gagtcattat tcctttttct 420
 ctta 424

<210> 6353
 <211> 434
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6353

ctctaganaa agaagctagt aaccacacta gttatttcgg ctccaatng nggttaataa 60
 tntgaattaa tgtgtgatgc tagtgactat acgataggag cagtattagg acaaaaatgg 120
 aatggaagat ttcattgtat ccactatgcc agtaagggtc taaatggagc ccagatcaac 180
 tatgcaacaa tggagaagga gatactagca gtgctttatg cccttaaadc aatcatatca 240
 tgtaggttca aagattattg tgcacactga ccatttagct atataatadc tactcaccaa 300
 agtggattcc aagccaagtt aattagatgg gcccttctac tacaagagtt tgatctagat 360
 atccgagaca gaaggggtgt gactgtgaca ccctctaccc cgacatatad ataaataaat 420

<210> 6354
 <211> 463
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6354

atctatatat ggttanaaca agcttcccgt cagtgttacc ttaagtttca tgttataatt 60
 tcttcatttg gttntgatga aaaccccatg gatcaatgca tataaccacaa ggtagtgagg 120
 agtaaaatat gctttcttgg tttatatgta gatgatattt tacttgcagc caatgatcgg 180
 ngtttgctac atgaggtgaa acaattttctc tctaagaatt ttgacatgaa ggatatgggt 240
 gatgcatctt atgtcatcgg cattaagatt catagagata gatctcgagg tattttgggt 300
 ctatcacaag aaacctatat taacaaaatt ctagagagat ttcggatgaa agattgttca 360
 ccaagtgttg ctcccattgt gaaggggtgat aggggttaatt tgaaccaatg tccanagaat 420
 gactttgaga aggaacanat ganaaacatt ccttatgctt cag 463

<210> 6355
 <211> 468
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6355

gagtccacct cgcattgcat gcaagcttga gtacctgngt agaaacatct ggagttgatg 60
 agaaggtgct tcaacagcta ttgcattgtg gctattattg ttgggatgag ctcatacaaa 120
 gtagtcgttc cttagtgtga taccttgccc gaaaatacag gggtatggga atagcattgg 180
 atgatttact tcaggtttgt tccaaatgtc attgctcatg attttatttg taatttgtga 240
 ttgtttcttg tgaggacaag tttctgtttg tcttttacct atttgtgcac tcatcatata 300
 cagttgtaag ttatatcgca aagaaccgga gtttcctgat taatagtcga tatttttttag 360
 agcttagaat taacaacttg tgagagtttag aatcacagct aatacttcaa agatatcagt 420
 ccaatgaaag aaaggtcatg tacagaggca tagcataagt tacaacta 468

<210> 6356

<211> 447
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6356

tgtgcattca atatacctgat gatggtattc catatgttct tttgactgga ctaatacatt 60
 tgttgcccaa gtttcatggg cttgtaggtg aagatcctca taaacatctt aaggagttcc 120
 atattgtttg ttccaccatg aaacccctg acgtccaaga agatcatatc tttctaaagg 180
 tttttcctca ttctctagag ggagtggcaa aagattggct atactacctt gctcccaggt 240
 ctattttcag ctgggatgac cttaataggg tgttcttgga gaaattcttc cctgcatcta 300
 ggaccactgc catcagaaaa gatatntcag gcatcangaa acttagtgga gaaagctcgt 360
 atgagtactg ggaaagaatc aagaaatngt gtgcaagctg ccctcaccac cagaattctg 420
 agcaactcct tcttcaatat ttctatg 447

<210> 6357
 <211> 397
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6357

tgtaagttat atattcaata tattttatat gtgttattta ttagatggt tataatnttga 60
 taaatgaata gttttaggta gtataagata acaattntgt atagtttagt ttgaattggt 120
 aatgttatat atgccagatt attttttgat aaatgaatag ttttaggtag tataagataa 180
 taattttgta taatttattt tgaattgtta atgttatata tgccagatta tattttgata 240
 aatgaatagt tttaggtagt ataagataat aattttgtat agtttagttt gaattattaa 300
 tgttatatgg tagattagat ttaggtttat atgataaatt agtggtgcaa cctacccttc 360
 ngcgggaggg cgacacgtga ctgcgggat gcgtgtt 397

<210> 6358
 <211> 441
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6358

ntcataatgt ccgtggaaaa nactgtgctc ttatcaacaa tgtgtcattt ctttgatacc 60
gaccgcttaa actactataa tgtgactaat tcaactaagc ttgtaatgga gaatgttgaa 120
ctgtacatga atgcacgtgt gtctccaacc tctttgacct attatggatt ttgcttggga 180
aatggaaact acacagtnaa actccatttt gcagaaataa tgtttactga tgataaaaca 240
tatagcagtc atggaaggcg tgtatatgac atctacattc aggttcatat ttttatcatt 300
ttcctaaatt ggtcaaccac atgtaaattt tgatcaaaat tggtaaattc tctttgggaa 360
cttcatgata ccaaattcaa atacaacaac cacaacgact acaacgcctt atccactatg 420
tggggatacc aaattcaata c 441

<210> 6359
<211> 369
<212> DNA
<213> Glycine max
<223> unsure at all n' locations
<400> 6359

cgcaattaac atgaatggcc ttcctaatac tacaggaatg tttgtatctt cacaaatc 60
cattaccaca aagtctatcg ggaagataaa atgtttcact ctaaccagca catcttcaat 120
tactccatat ggtctggtaa tggagcggtc agcaagttgg taagtcattt tagtgggcat 180
gatctccaac tctcccaacc ttttgcacat ggagagtggc attaaattaa tactggctcc 240
cagggtcaata agagcctttc acacagtgc ttctccaatt gaacaaggaa tagttacact 300
cccanggtct tgatgctggg gttgaaggat cttttaatca caacactaca atatcctttc 360
actatgata 369

<210> 6360
<211> 458
<212> DNA
<213> Glycine max
<400> 6360

atgaaagggt gagcaagaat ggtacgatca ttaatatcta tagtggagaa aggagagcag 60
ttctcataaa aaataacatg tcaagacact tcaatggttc gtgtatggag attgtacaca 120
aggtaacctt tcttgtggga tttaaaaccc agaaacacac aaggtaaggc tctaggatct 180

tgctttgttc tgtagcact gagagtgcga gtgtaacata gacagcaaac aactcaaagt 240
aaattatata tcatataatg caaaatagag tttttggtat ggtgattcat ttttctaaaa 300
aggagtacga ataatgtgta tcaaggtagc agtatgaagt aaagcatagg accaaaatat 360
gtttggaagg gtagactgaa acaaaagggc tcgagttaca ttgagtaa at gttgcgattt 420
tcgttcaaca atcacatttt gttggcgaag ttccacac 458

<210> 6361
<211> 392
<212> DNA
<213> Glycine max

<400> 6361

tattactgcc tctagggacc actagatcta ttacatcatc aagctgagac atagtataat 60
tagtgacaaa tcattgtaaa acaactaatt tgaggatctt atttttacta gtgatatcca 120
accttaagta ggtcaggaat ctcatctctc gaagtcacaa gcccaataag tttgtcacca 180
acagtatctg gcatcactga agtaatgacc tacaataaaa gaagaaatac agatgagaga 240
aaatatgtgt aagtgaatta atgacaaaga aacaacagtc aattcagatc cagaataatg 300
tcataaaaca acaatctcaa ctaaaataaa tagatattag atagtactaa ctttgtgtaa 360
gattgcatgt gatcgctcgg cttcctttcc ac 392

<210> 6362
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6362

atgaagactc tcccactatc tagatgttaa tctgggatct ctatcagaga ctatgctaga 60
atgaataccg tgtagtctaa ctatctcatt gacatacaag ctagtcaacc tctctaacga 120
gtatcta atg ttaattacga tgaagtgagc agatatggtc aacctgtcta caataaccta 180
aatggaatct aaacctttgg gggctcctagg taaccccacc atgaaatcca tggagatact 240
atcccacttc cacttaggta tctctaaagg ttgcaacttc cctgaaggct tctgggtgttc 300
tatcttagct ntctgacaca ctgngcacac aaggacaaac tcattaactt ctttcttcat 360
accct 365

<210> 6363
 <211> 363
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6363

agctngcttc tatgtccctt tcattgctnt aatngttgaa taatccttga aaaattgtct 60
 tgttaaaact ccattgggtt agctntcatt ntcatttttn tgtctttgtt tattgcttgt 120
 ctctttgttt cgttgtttgt gagttgccat ataggggaatt gcaaagggtgg attggtgcca 180
 tcctcatgca agctccattg gagctttag gcttaggatc ttcttcatca atggattcct 240
 ttgcttcttg gaagataaat ggcagcggaa tggagaacga agagagagag gagatgccac 300
 ttcaacgaga agatgagtct ataagaagct caccaccata tgaggccatg gataatagct 360
 ggg 363

<210> 6364
 <211> 453
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6364

gcttaagaaa catggcgtca gcaaacttct tatttccaga aggaatttct atctgtatac 60
 ctccaatctt taatggagag ggttaccact actggaaaac tcgaatgcac atttttattg 120
 aggcaataga cttaatgatt tgggaagcca tagaaatagg gccttatata cccaccacag 180
 tagaaagaat tacaatagat ggaagcacat caagtgaag cataacaata gaaaaaccta 240
 gagatagatg gtctgaagag gatagaagac gagtacaata caatttaaaa gccaaaaaca 300
 taataacatc tgcctgnga atggatgaat gtttcaggtt ttcaaattgt aagagtgcta 360
 aggaaatgtg ggacactcta caattaacac atgaaggaac tacagatgtt aaaagatcta 420
 tgataaacac actaactcat gaatatgaac tat 453

<210> 6365
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 6365

aatatacctt cttctgtatt tgcacacac ttgcctaagt tntctttccc gttgtttaac 60
acaaagcatt tacatccaaa aacatgaaga tgagaaatgt ttggttttct tcctctntac 120
aattcatatg gtgttttctt taagataggt gtaattaatg ctctattcat tatatagcat 180
gcaatgttaa tagcttcaac ccanaaatac ttaggaagat ttgtatcatt aagcaaactt 240
ctggctaatt cttctaata tctatttttc ctctcaacta ctccattntt taaggagtgc 300
taggtgcaga aaagttatgt tcaatgccat tttcatcaca naataattca naatatttat 360
tntcaaattc ttcttcatga tcaactcctaa tggatgaaat attgagattt tttgtattta 420
aatgattt 428

<210> 6366
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6366

agtcacctgc cgcacgcaag cttctgctta ttagtgcaca actccttcaa gaatttatca 60
tatcttngga atttctatat tgcacccaac agaggtatgt ttacctctac ttttctaaat 120
gtttccaaga tctgatggtg agggcaactg gcacatagtt ttttaaactc ctcccaatat 180
tcatataggt tctccccact gagttgtcta atacctgaaa tatcctttct gatggttgtg 240
gtcctggaag aagggaaaat tttttctaag aatactctct tgaggtcac ccagctcgtg 300
atggaccttg gagcaaggta atatagccag tcctttgcc aacctctaa agaagagga 360
aaggccttca gaaatatatg atcctcctgg acatctggtg gtttcatggt gaagcagaca 420
atatgaaatt ctttc 435

<210> 6367
<211> 497
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6367

atctctaagt cacctgcggc tgcaagctta agaataagat aagatcaaga ctcaagaatc 60
 attagaagac ttaatcaaga taagtatgag aaggagtttt caaaaactga gtagcacatg 120
 taattttcac aaaacatggt taccaaagag ttnttactct ttggtaattg attaccagat 180
 tgctgtaatc gattaccagt agcaaaattg ttgtgaaaaa gttntcaa at tgaatttaca 240
 acgttccaat taatttcaaa aagctataat cgattacaat gttttggtaa tgcattacca 300
 gtacctctga acgttgaaat tcanattcaa atgtgaagag tcacatcctt tcacantaaa 360
 agcttggtga atcgattaca ctgatttggt aatcgattac cagtgatggc ttatgaataa 420
 atcanaaaat gtaactcttc anaaggtttt gactnttcac natggtttaa gttttctaaa 480
 agtataactc ttataat 497

<210> 6368
 <211> 368
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6368

gctttagaaa caccaaagat gtaagacana attttgtatg taagtgtaaa tttgaaacaa 60
 taagagctaa tatacaatca gataacctgaa agtgataatt tatgttgcta tgatccctaa 120
 caatgtataa ttagtccctg ttagattaca tttatcttta catgatcttg tatatattat 180
 tacacaaaaa cttatgattc tgattgatat gtaattacct aataatcagt aattgattga 240
 tatgtaatca atattgattc tgatttctcc attataaata aagatgagat gtggatcatc 300
 aagacacaaa attacagtac aactaataca ctgctatatg gtatcaaagc ttaagttatt 360
 cttgacag 368

<210> 6369
 <211> 440
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6369

ggccgaagtg gagaacaat gtggaaagca tattaagatt atgagatccg atagaggtgg 60
 agagtacaac ggtagataca cgaagaatga acaagcacct ggtccatttg tgaaatttct 120

tcaagaacat aggattgttg tccattacac tgtgccttta gatcaaaatg atgcggtaaa 180
aagaagaaac taaactntaa tggacatggt gaaaagtata aggagtaata gaaaacttcc 240
tcaattcttg tggattaaat ctctaaaggc ggttgtgtat atattaaatc gagtatcaac 300
caatgttgtc tcaaagacan ccttttgagc tattcaaagg ttggaaaccg agttnngcgac 360
atatatgcat ttgngatgc cgtctgaag tgagaactta taaccacaa gaaaagaaac 420
tagaccaat gactattagt 440

<210> 6370
<211> 461
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 6370

gagtcacga gtcacttttc cattaagtat gaataaatgt tatgttcctt ttgctntaat 60
ccattctgat gtatggtgac catcccaaaa atcttctatc tctggttacc ggtggtttgt 120
gatatttgtt gatgattgca ctggaatgac ttggatttac ttgttgaaac ataaaaaaat 180
gaagtgttac acatatttca acaatttcat aaaatgattc agactcaata ttcaaagaag 240
attaggatcc ttcgctctga taatggtggg gagtttgtaa atcaccaatt ccatgagtat 300
ttcaaaaaac acggacttat tcacgaaacc acgtgtccac aaactccaca acataatggt 360
attgcagaac agaaaattcc gcatatcctt ganactgctc gtgctctttt acatggagca 420
catgtgcctc accaccattg gactgatgtt gttactacaa c 461

<210> 6371
<211> 478
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 6371

agcttatctn tcagagtctn gaaagctgcc aagcattcat catcaagctt gaagactgcc 60
tctntattca gcangttgct caatggtttg acgaatttag agaagtcctt gatgaacctc 120
tgatagaagc ctgcgtattc gaggaactc cggataccct tggcatttat tgggtggaggt 180
aaattctcaa tgacnatcaa tttggctttg tccaccttaa tgcctcaggc tgaaatcttg 240

tggcccaata ttattccttc ttggaccatg aaatgacact tctccttatt cagcaccaga 300
 attgcttcaa ctcatcttcg caatacgagc tctagattag tcaagaagta gtcaaaggaa 360
 agccccaaaa ttgagaaatt gtccatgaag acctttatgc actnttctac catgtcntgc 420
 aaaatagcta gcacgtacct ctagaaaagt ngtgggtgcat tacataaccc gaatgaca 478

<210> 6372
 <211> 389
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6372

cattttttatt atagttataa tttatatgtt ttaatgtaat gaaaaactga attntaagt 60
 caaactctgt ggatgaatat atttttatta aaagatgtat gaaattacac ttaactcacg 120
 gcgaagtaac aatatgcctc agactacatg tacaattaag ctattaggga gaaactatat 180
 tatttttatga atntggacaa taagttcttt cattaagtat ataatatggg tattcattgt 240
 aaaaaattat tatagtaatt cacatctata attgtataaa agtatacgtt tgatgtatga 300
 tttatgataa ttttatgata aaatacttac taccaagaat attatttctg cacatatggg 360
 ttataaagct taccaatata tatatatat 389

<210> 6373
 <211> 223
 <212> DNA
 <213> Glycine max
 <400> 6373

ttatcgagac actcgaaatt gaacaattca agctctcgag aatttcatat ggtcatatcc 60
 tttcactgcg aggtccgatg caggcgcata atataatgac gacgcatcta aattgaacaa 120
 ccgaagctct cgagaaattc acatgtgcat aaccattcac acggagggca tattaatgcg 180
 cataatatat cgatacgcat catactgtac aacggtagct ctg 223

<210> 6374
 <211> 476
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 6374

atcctcagag tcacctgccg catgcaagct tgaactatct gtgattccac aacttcaatg 60
ttttctcgta aaatagttca tgtcattaat aaatatagca aaaacattga atttcaccca 120
caanaaggga cttttcttca acttanatag gctntgtaca tataaaagaa ggatttatga 180
gaaattgaat ctaaccaccc cccgaaatat aaagtatcaa cactgtaatt atattctaatt 240
tacccaaaat agttgaggac ctcaattatt tgatctgcta aatcttcagc agaaggaata 300
ggatcctcgg cacaattggc agttgctccc aacttcaaga actcttgtgg aagtttcaga 360
gggaaaacta tatgaataat aatattcagt tctacatgca atanaaaata catncaaattc 420
aaccaactta canacctcat gtccaggagg actgatatga tatatgcana agttgt 476

<210> 6375

<211> 349

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6375

agcttccatt gctcaatttc gagcatctcg atatattatg cgccttaata ggacctccaa 60
gtgaaaattt atgacctatt gaatngctca agagcttcca ttgttcaatt tcgagcgtct 120
cgatatatta tgcacctgaa tcgtacctcc gagttaaagg ttaagaccat ntgaaaatct 180
taagagcttc cattgttcaa tttcgagcgt cttgatatat aatagcctc aatcagacct 240
ccgagttaaa agttatgagc atttgaattt ctagagagct tctgttggtc aatttcgagc 300
gtctcgatat attatgtgcc tgaatcggac atccgagtga naagttatg 349

<210> 6376

<211> 409

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6376

caatcacatt tagcaactca gtggatatgt tgtggattga tagaacataa gtaatgtaaa 60
gtaaatatag tactttacta gaaggaaaat gattgttgaa catatgttgg tgcttgaaat 120
ttgactttcc aaaagtaatc atccttagta gaatcatatg ttgttgaatt aggccaatag 180

<210> 6379
 <211> 498
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6379

tctggactat aacgccctta tgacggtaac gtatacactt atactaaatc actgtcatat 60
 aaattgtag aatttgtgcc aaagcagata ctatctaacc taatacttta tagtatatta 120
 tttgccatat tagtgtaga ttatactgtg gactaccttt cacatataat acaaatatat 180
 attacgtatt agacatgacc tgacctgcat attcccaata cccggtacat cgaacaaatt 240
 aatatgtgat tgaaaggagg aaagtaatgt atgattgaaa ggatctcacc aaaatgttaa 300
 tatgtgaata attaatatct aatgcatcta attaagggtt atcggaagag taaaagggtg 360
 tccattaata tacacagtat tcgagtatat gttattgtgc agtttcaata ccaagtaact 420
 gctacgaaa ttacattaac tactcattac ctatgtttgg taannataat gaatcattat 480
 caattgcata tatacaat 498

<210> 6380
 <211> 413
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6380

agcttcctca ccatggaccc tanatctatg gctggccaac ctattagatc tggcattcct 60
 gttagctctg taatgactgg aagctagtaa tggagtgcta ccagttctag agaatcggtg 120
 cgatgaatac cggccctgtg ttttcttcca gaatttggtg cttaaaaatt cagcaccagg 180
 tagcaggcaa caagtattct taggagcatc agatttagat atccttccac ttgatacagc 240
 caaatcataa gagatctcat ccaatgctaa ctccaggcca tgcacacgag tctctaaagt 300
 atgcattcca ttttcagagt tctcatgaa tttctgcata anaatatatg gtggatattg 360
 tcagacatgc ccatcattcg agagttggca tactctacat atatgtgcac ata 413

<210> 6381

<211> 290
 <212> DNA
 <213> Glycine max

<400> 6381

cttggccttt tgccacaact ctcgtaaagt ggagagaaat gttcatctaa agcatacaag 60
 tccctaatat tatcaaattcc taaaatttga gtccttaggg agcaaaacaa tgtgtgtctc 120
 ctatagaggg catcagctac cacattcggt tttccctttt tgtatttgat aacatatgaa 180
 aattgctcta ggaactctac ccattttgca tgctcttctt ttaacttgct ttgccctcta 240
 atgtacttaa gtgattgatg atcactatga atgacaaatt ccttggaaac 290

<210> 6382
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6382

atctgactca cagcaggctg gatagactac tcgtatatga ctctctagtt cccatgtggc 60
 gtcttctcct aatgcacctc cctagatcaa cttgactaat ggattctgct tctctcttac 120
 gtgctttgta cgcataact ccacccctcan aggcaatggt tgatatgtca agttctcctt 180
 cacttgatg tcatccaatt tgatcacatg agatggatca tggatatact tacgagttaa 240
 gacacaagaa agacattgtg aagattataa agagaccgng gtaatgcaat ttggtatgcc 300
 atgggactga ctctnttaga gaatatggaa cggaccacga aaatgaggtg tgagtctttg 360
 agatttacat gctcgaccaa cccaagtga cggagtgact ctagagaata catgatcacc 420

<210> 6383
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6383

actgaacatā ttctctaagt atatgatgat caatgtcaat gtgcttggat cgttcatgat 60
 gagcagggtt tgaagcaaga cttatagcag atttattatc acaaaataac atcacagagg 120
 gcacatcaac ttcaaagtga agaattaact tgcttaacca aacaatntca ctagtaacag 180

aagacaagac acgatatttta gcttcagtgg atgatattga aacagtggat tgtttcttag 240
 aacgccaaga aagaagttat tntccaaaaa gacacataag tcagaagtgg atcttctggt 300
 atcaacacaa ccggcccaat cagcatctgc aaaggcagtg aggttgagag agttctgagc 360
 atggaaaaac atacctcgtc caagagcaga attgatatac tgcantaaat gatgaacaac 420
 atg 423

<210> 6384
 <211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6384

tgactgaaga cattgaagtc tntngagatg taaatgaaga cattgatagt cttgacaaaa 60
 gactctgata gtctttgaaa tgtaaagaag actttcatag tcttgataaa agactctgat 120
 agtcttttaa atgtaaagaa gactttgata gtcttgacaa aagactctga tagtcttgga 180
 aaaataaaga agactttgat agtcttgaca aaagacattg aagtctctga aacgtaaaga 240
 agactttgat agtcttaaca aaagacattg aagtctttga aatgtaaagtg aggacattgt 300
 agtctttaga atgcataaag atagaggact ntgagtccta tgaaagataa agacaaagga 360
 ctttgattcc tatgaaagat aaacgcgagg actntgagtc ctatgaaaga tataagagat 420
 gagtgtataa tctcaacat 439

<210> 6385
 <211> 370
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6385

cgacaataac atnttactcg gatgtctgat tnggtcccg tatatatcga gacgctccan 60
 atngagaacg gaagctctga gcaaaatcaa aagacaacaa ctttttactt ggatgtccga 120
 ttgtgtcccg ctgtatgtcg cgacnctcga aatttagaac agaagctctg agcaaaatcg 180
 aatgataata agattttact cggatgtccg aatgaatccc gtaatatatc aagacgctcg 240
 taattgaaaa cggaagctct gagcaaattc taacaacaat aacgtcttac tcagatgtct 300

gattcagtct cgtaatatat cgtgacgctc gaaatcgaaa caaaagctct gaataaatca 360
aaagacaata 370

<210> 6386
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6386

agcttctcat ttcaatttca agcgtctaga tatattactg gacacaatcg gacatccgag 60
taaaatgtta ttgtcgtttg aatatgctca gagcatctgt tatcaatttc gagcgtctcg 120
atatataacg ggactcaatc cgacatccga gataanagtt attgtcgttg gaatttgccc 180
agagcttcat atttcaattt cgagcgtctc aaaatattag agcactcaat cggacatcnt 240
tagtaaaagt tattgtcgtt tgaatttgct acgagcttct atattcaagt acgagcatct 300
cgatatacta ctggtcccaa tgggacatcc gagtaaaaag ttattgtcgt taatatattc 360
taagagctta tgtattcaat ttcgagcgtc actatatatt acgggactta atc 413

<210> 6387
<211> 222
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6387

cagctcgtcc ttatggttat taatgtatga atcgttgcaa ttgcacctct tccttgtcag 60
gcaatatatc tgtttgcatt tgggattcca attttcatca acagtgggta ccctactcct 120
cacgtgaagt ggaacttgtg gggtatccac aagctgctgc ttacccttgt ttatggntcc 180
atactgtaca tgtatcattc taggtggaga gaaagggtac ct 222

<210> 6388
<211> 453
<212> DNA
<213> Glycine max

<400> 6388

agactcttaa tatatgaaga gtattcttat ggaaccttca cccgacgaag aactgacaa 60

aaacttatct tctcctcttt ggacaaagta tggcaggctg ctggcaagct aatattcttc 120
 ccgtcagacc ttggatgcaa ctgtgatcgt gtgctcatat cagctagatc ttgacgggta 180
 tccaagccat ccttcgtctt gcctagaata gtaagcagcg caccaatcac actgtcgcaa 240
 acatttttct ccacatgcat aacatcaata caatgtctaa cgtcaagatc agactagtag 300
 ggaagatcaa agaacataga cctcttcttt catatgcaac tcttactctt atccttcttt 360
 tgggtctttc cacatacaat attcacgtgt tgaacacgct catatacctg ctcaccagtc 420
 aacagtatcg gcgcaatata atgctcttga ctt 453

<210> 6389
 <211> 327
 <212> DNA
 <213> Glycine max

<400> 6389
 atagagtaga agatagatca ttgatccatc ctccaccttg ttgtgtataa cacaacaatc 60
 atagagactt ctcttgaatc ctcgactggg gataaagcta tcagacctca tgtaccattg 120
 ccttgagatg tgtttcacac catacaagga tctctgcagt tgacaaacat acctttcttt 180
 tccttgaact tcaaaccctt cacgctgggt tattagaata ttctcttcca atctttcatg 240
 gagaaaagaa gtcttgacat caagttgttc aagttccaga tcttggtttg ccactatagc 300
 aagcaaaatc ctgatggatg catgtct 327

<210> 6390
 <211> 340
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6390

agcttctagc anacaggttg agggtagtgc taccagttct aatagatgan aggcagtcag 60
 ccttcataaa gaatatgcat atccttcatg gaattctcat tctcaatgag gtgggtggatg 120
 aagctatttg gaggaagaag cctgctatga tgtctaaagt ggattttgaa aaagcctatg 180
 attcggtatc ttgggtctct ttggattata tgttgatgag attaggcttc tgccttaaat 240
 ggagaaaatg gatttctact tgtctccaaa cagctacaat ttcagtccta gtaaatggga 300
 gccccacaaa ggagttngtt ccttctagag gattgaggca 340

<210> 6391
 <211> 252
 <212> DNA
 <213> Glycine max

<400> 6391

tcaatgatca tactacacat ctagaggcct tctaaagcta agcacactag aaggggttcg 60
 attaatacaa taaatcgcag atctcatagc ctactccat acatgagatg agacattacc 120
 atctatcata actgatcttg tcacctctaa tatttgacta tctttcctat cagccactcc 180
 attatgttgt ggcgaataag gacatgtggt ttaatgcatg aatccattac agttcatgaa 240
 ctctattaat tc 252

<210> 6392
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6392

tgaagctctg ataccactgg ttagatatgt gttctcatat atcataagaa ggtgggntga 60
 attaagatat tccaaactac ttccacaatt aagaatctat ttcactttnt attcaagtta 120
 taaattccct taataatgaa cttcttaaatt attgattcac ataacacaat ttgaatatga 180
 atataaagca gtaataaaca aaggagatta agggaagaga aagtgcaaac tcagatttat 240
 actggttcgg ccacaccctt gtgcctacgt acagtcccca agcaaccgc ttgagagtgc 300
 cactatcttg tagattcctt ctacaagttc taaacacaca acgacaatcc ttcctttgtg 360
 tttagaagtc ctttacaaca ag 382

<210> 6393
 <211> 474
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6393

tataaaataa attagagggt accaatacca aaactggcta taatctgcaa gaccaaccac 60
 tgcagtaatt ntatcatggt gtgtcttaga aagtaacctt atggtcacat ttctgccacc 120

agcatcaagg attcctgatg ccaaaattgc tcccatcttg ctcatggtat cctcatgctt 180
gtccagaata attttctcca attgtcgctt agaacacaat tattgtaaga aaacaacaaa 240
tatatagcct cactgtccaa aataaatagg acagacttac ctaaagtgtc ccacacgtga 300
gtcactagct tcactgatct gaaccatgac catagccatt gctataaggg caccttgacg 360
aacaaaatca acaacatccg atgtcaaagg ctccaataaa gaaatagcct cactgagacc 420
tgtaccgcga cangagatac ccacagcaag aagctgctca tatcgaacat gtgg 474

<210> 6394
<211> 466
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6394

tctanactnt atacaagaat gaagctctga taccacttgt tagactagtg gtctcagata 60
tcataagaag ggggggttgaa ttaagatatt ccaaactact tccccaatta aaaatctatt 120
tcacttttta ttcaagttat aaattccctt aataatgaac ttcttaaata ttgattcaaa 180
taaaacaatt tgaatatgaa tataaagcaa taataaacia aggagattaa gggaagagaa 240
agtgcacact cagatntata ctgggttcggc cacacccttg tgcctacgtn cagtcccaaa 300
gcaaccgct tgagagttcc actatcttgt aaattccctt tacaagttct aaacacacaa 360
ggacaatcct tgcttttgtt ttagaattcc ttacaacia gagaccacg gtctcttaat 420
cccttagaga atgaggagaa gaagaagaat gaatctctct agaaag 466

<210> 6395
<211> 388
<212> DNA
<213> Glycine max

<400> 6395

ctgcaacgtg aattctgttc aactgataag atatctttct aattcagcca actaactaac 60
tatttctgtt aaagctgttt atactgctaa gagcctccct caagctggga atggatattc 120
atcattccca gcttggtaca aaggagctga catgtggctg gtggcaaagc cttggtgaat 180
atgtccggga gttgcatgga agatgagacc ggaaggagct ctacaagacc cgcaatgact 240

ttgtggcgga taatatggcc atcgatctcg atatgcttag tgccgtcatg gaaaaccgga 300
 ttcgtggcta tctgaatggc agattgattg tcacaatata acgtggctgg ctgaataaat 360
 gctacaccaa tgatcatggag aatatacg 388

<210> 6396
 <211> 341
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6396

tgatcatctac atagagtaga agatagatca ttgatccatc ctccatcttg ntgtgataaa 60
 cacaacaatc atagagactt ctcttgaatc ctgactggg gataaagcta tcaaacctca 120
 tgtaccattg ccttggagaa tgtttcaaac catacaagga tctctgcagt tgacaaacat 180
 acctttcttt tcttgaact tcaaaccctt cagctgttt cattagaata ttttcttcca 240
 atcttccatg gagaaaagaa gtcttgacat caagttgttc aagttccaga tcttggtttg 300
 ccactatagc aagcaaaatc ctgatggatg catgtctaac c 341

<210> 6397
 <211> 330
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6397

agctngacan gaatgaagat gagaagaaga agcattatta gttgaaggag aagtntgaca 60
 acccctgcaa agtgatcaag gatgacaaat ctatgaagga tcttattctg tttctgtttg 120
 agactgctct tctcatttct agtttcagcc gtgaaggatc cacataatgt ttaagcttgg 180
 actgagcatc aatgaagatg cacgtgaagt tgttgctgac atgccccac tagaggagggc 240
 cgaagccgat gctgatggca gcaagatgga gaaggttaat taaacttaa tatgatgtgt 300
 ttcttattag tagcttatct aatgcgtatg 330

<210> 6398
 <211> 374
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 6398

ctgtcctaag caaagggtccc aatgtcctat taacaacttt tgtttgccca tcggtttgtg 60
ggtgacaagt ggttgaaaat aacaatctag tgcccaactt gcccacaaa gtcctcccaa 120
aatggcttaa gaacttagag tccctatcac taacaatgct tcttggtcaa ccatggagtc 180
tcacaatctc cttgaaaaac atatcagcca catgggaagc atcatcaact ttttttacat 240
ggaataaaat gagccattnt agataaccta tcaacaacca caaaaatgga atctctacca 300
ctgcttggtg ttggcagccc caaagcaaaa tccatggata aatcaatcca aagatactcc 360
ggaattggaa tgga 374

<210> 6399
<211> 415
<212> DNA
<213> Glycine max

<400> 6399
gcgtctcgat attttacggg gctctatccg acatccgagt taaaagttat tgctgtttga 60
ttattctaag agcttccctt ttcaattacg agaatctcga tatattacgg gacacaatcg 120
gacacccaag ttaaaagtta ttggtcggtg aattttctca aagcttctat tttcaattac 180
gagcgtctcg atatattacg ggactcaatc ggacatccga gtaaaaagtt attggcgttt 240
gaattttctc agagcttctg ttttcaatta cgagcgtccc gatattac aggactcaat 300
cggacatccg agtcaaaagt tattgtcgct tgaatctgct cagagcttct gttttcaatt 360
acgagcgtct cgatatatta cgggactcaa tcggacattc gagttaaag ttatt 415

<210> 6400
<211> 423
<212> DNA
<213> Glycine max

<400> 6400
gaaatcacat gtttgcacac atcttttttg ggagaatgtg aatgtatgta tacatgattt 60
tgatgatgtc aaagaagaat ctaacaaggc tgcttcaaat gataagcatt tgcttcaaga 120
ataattcaag attgcttcaa caaacaagc cttgtttcaa gattcactaa agaccaagcc 180
ttgccttaaa acaaagtgtc ttcaagacat gcaaggctct ggtaatcgat taccaggaag 240

tgtaatcgat taccagaaga cagggttgag aaatagctgt tgaaaaatgt tctgaatttg 300
aattctcaac atgtaatcga ttaccatatg tctgtaatcg attaccagca acgaaacttt 360
ggaaattcaa attcaaaagt cataaccctt caaattataa ttgtgtaatc gattacacaa 420
aca 423

<210> 6401
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6401

caaatgatgc atatgatttt gtagctacct catgcactcc tctaatactgact atggcatcat 60
ttctggcgct aaactgctgg gagttggaag ccatcttctt aatcaagttt ctagcttcag 120
caagagtcac gtctccaagg gctccacccc tggcagcatc tatcatattt ctcaccatat 180
tactgagtcc ttcataaaaa tattggagaa gaagctgctc cgaaatttga tgggtgagggc 240
aactggcaca tagtttttta aatctctccc agtattcata taggctctct ccactgagtt 300
gtctaatacc tgagatatcc ttctgatgg ccgtggctct ggaagcaagg aaatnntttt 360
ctgagaatac tctcttaagg tcatcccagc tcgtgatgga ccttggagca aggtaataca 420
gtcaatcat 429

<210> 6402
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6402

ntgtgaagct cctgtnttag cnttaccga ttttactcaa ccatttgaag ttgaatgtga 60
tgctagtgga gttggcattg gggctgtttt gatacaaac aaaaggccta tagcttattt 120
ctcggagaaa ttgggaggag ccagattgaa ctattgcacc tatgacaaag agttctatgc 180
cattgtgaga gctcttgatc attggaatca ttatttgcgt tctaatactt ttatattgca 240
ttcagatcat gagtcattga agtatatcaa tgggcagcag aagttgagtc caaggcatgc 300
taaattgggtt gaatttcttc aatcttttaa tttctcttca aaatacaagg atggtaagag 360

taatgtggtg gctgatgcac tntcaaggag gtatgcttta atttcaattc ttgaaactcg 420
tttac 425

<210> 6403
<211> 427
<212> DNA
<213> Glycine max

<400> 6403

tacatgtttt aacataaaac ccaacaccct cacatgcttc actgttggtt tccttttgtt 60
ccacacttct tcacgcactt tattcttttag cttcttagtt ggactctgat tcagcatata 120
gactgcaagg gacacaactt ctcccaaaaa ttctgatggc aggtgtttct ccttcagcat 180
acatctaccc attgtcatta cagtccctatt cctcctttca gccagcctat tatactgagg 240
agtatatgga gcagtaactt catgcattat gccatgttgg atacagaaaa attcgaaatc 300
ctttgatgta tactcccctc caccatctag tctaataacc ttgattgctt tccactatgt 360
tttactcaac actataaaact ccttgatata gaaagcctta ctcttgcttt atcagtacac 420
cactcat 427

<210> 6404
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6404

ttgtttgcat tcgctgaacc tttgatgtat tatctgatat gttatcgaag attatcttgt 60
ttactaactt actctccctt tatactctcaa ttatttatgt gtgcacgtga gctgatgagc 120
atgccaatga ctgattacta ctggtcgaat ttactttgat tgagatatat gaggtgaaga 180
tgctgacccc ggcaaagaag agactgatga gggattttta aagattggca caagatcctc 240
ctgctggcat cagaggggct ccccaagaca ataatttat gcttcggaat gctgntatct 300
ttgggtgtgt aagagtafat atatcatgaa attcttgttc tcttaagagt gtgtttctct 360
ttactntgtg cgtttggatg atgtaaggta tgataacaat cta 403

<210> 6405

<211> 419
 <212> DNA
 <213> Glycine max

<400> 6405

atttcgagcg tctcgatatt ttacggagct ctatccgaca tccgagttaa aagttattgt 60
 cgtttgatta ttctaagagc ttcccttttc aattacgaga atctcgatat attacgggac 120
 acaatcggac acccaagtta aaagttattg tcgtttgaat tttctcagag cttctatttt 180
 caattacgag cgtctcgata tattacggga ctcaatcgga catccgagta aaaagttatt 240
 gtcgtttgaa ttttctcaga gcttctgttt tcaattacga gcgtcctgat atattacggg 300
 actcaatcgg acatccgagt caaaagttat tgctgtttga tattgctcag agcttctgtt 360
 ttcaattacg agcgtctcga tatattacgg gactcaatcg gacattcgat taaaagtta 419

<210> 6406
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6406

tagaaacatg aaacactgga tgaatntgag cacattcagg caaaaccaac tcataagcga 60
 ctagaccaat gacacaatta atgcaataag gtctgaaata acacttgccc aacttgaccg 120
 agccataacc cctcatagat gtttgacgat aaagttataa aaggccatac taatgtaatc 180
 cttccaagga ggggacccat caccagagct agctaggata cttcaggaag attgggtcag 240
 ggatgcagga gaagacccta ggatttctcat gaggccttagg gtagattttg tgcctacggg 300
 cgaagtataa acccacttat ctttgtatgt attagattag ggtttcatta ttttttgggc 360
 cttgtattta gggctccata gtgtagggag ggtgccccac aagtttaggg taccctagtg 420
 atctaggatt tttcagccct tgtatttt 448

<210> 6407
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 6407

tgtaatcgag tacacacata ctgtaatcga ttaccagagg attatttcat aaaacattct 60

caacagtcac atctttttgt gtgattcttg aatgactatc aaaggcctat atatatgtga 120
 cttgagacac gaatttgcta atagtttttc acaacaaaaa ggtcttatcc tcttataaag 180
 caaaatagct ttatcctctt acaaattcct tggccaaaac acttgtgatt caataaggaa 240
 ttatttgagt gctcaaattg ttcaatctat ctcttttaag agaggtttct tcttttcttc 300
 ttcttcattc tgaaaaggga ttaagagacc gagggctctt tgttggtgaaa gaattctaaa 360
 cataaaggaa ggggtgccct tgtgtgctag aacttgtaaa ggaattacaa gatagtggaa 420
 ctctcaagtg g 431

<210> 6408
 <211> 434
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6408

ccataatgtt ttccagaagt ggcttttagaa cttagcatct ctatctgaca caatggctct 60
 aggcaaacca tggagtctca caacttcctt aaaaaagggt tttgagatat gggaagcatc 120
 atccacctta tggcatggta taaagtgtgc catcttgcta aacctatcca ccactacaaa 180
 gatagagtct acacctcttt gggttctagg gagcccaagg acaaaatcca tactaatgtc 240
 tacccaaggt gcagatggaa tgggtaaggg tgtgtatagc ccatgaggca tcaccctaga 300
 cttggctngt acacaacca cacacctgat gcaatgctga tggacatctt tcttcatatg 360
 gngccaatag aacttctctt tgagtaagac aaaggctctg tctatccan agttgcccac 420
 gagcccactc tcat 434

<210> 6409
 <211> 315
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6409

tctagtctca attttgagcg tctcgatata tttctcctgt tcattcggac atccgagtaa 60
 aaagttattg tcgtttgaat ntccaccag cttccgtttt caatgtgcag cgtctcgata 120
 tattacagga ctcaaccgga catccatgta taaaattatt gtcaattcaa ttttctcaga 180

gcttcggatc taaatattga gcgtctcgat atattacggg actgaatcaa acatccgagt 240
 aaaaagtttt tgtctattga atttgatacg agcttccgtt ttcaatttgg agcatctctc 300
 gataaattat gacaa 315

<210> 6410
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 6410

agtctcacga ttgtcacgtg ctcatgcaac aattgttagc cgtggctata cgagacatct 60
 ttccaaacaa agtcagggtta gccataactc gcctgtgctt tttcttccat gctatatgta 120
 gctaagtcac tgatcctgtg aagttttagt agctggaaaa tgaggccgca attatactgt 180
 gccagttgga gatgtatttt cccctgtgct tctttgacat catgattcac ttgattgtgc 240
 atctagtcag agaaatcaaa tgttgtgggc cagtttatct acggtggatg taccgggttg 300
 agcgatacat gaagatctta aaagggtata caaaaaatct atatcgcca gaagcatcta 360
 ttgttgagag gtacatagcg gaagaagcca ttgaattttg ttcagaatac 410

<210> 6411
 <211> 305
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6411

aaccaaagtc tcatcactgc tnatgatgaa gcttcaagtt gtttcatata aatctcctcc 60
 tctaaatcac cattaagaaa gattgggttc acatccattt gnttcaactg aagggtcaaaa 120
 tgagaaacta atgccaacat aatacaaaga gaatattact tatatacaag agaaaaagtc 180
 ttagtgaaat ccattccttc ttgggagaaa atcccttagc aacgagtcct gccttgattc 240
 tttcaaagaa gcctaatagaa tccttcttgg tcataaagat ctatgtaata ctcatcgaat 300
 gcatc 305

<210> 6412
 <211> 446
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6412

aatcgtttca gttggaaaaa atcccttgtg catgaagatc aaaggatatt atcacacaaa 60
gatacatcac caaaaaaata aaataatgaa agatataaat ttaaagcaga tatcttttat 120
ctacattcac acaaacatct aaacaatatt cactatctca aattttaatt tgacaatgaa 180
ttacatttat cctctattta ataatgtcaa aataacaata aattgatatc ttgacagaac 240
tataattata ataagagttt aaaataattt tacattatca tctactcatc aatcattgtt 300
gttatgattt ttaaataaat tnttatcaaa gtcaacaaac ttatatcata aatgatgatt 360
gaatgataat gtaattttac attatataat attntttctc ttataataac ctaagcaaag 420
gataaatgca cacattgatc cgatgc 446

<210> 6413

<211> 459

<212> DNA

<213> Glycine max

<400> 6413

tatgaaatgg atttaagtgc aacaattaaa taggtgttat cgtgttcaat tttacttaaa 60
cacttactgc accccgttga tcgagccaaa tggctccgga ttcagtgggc aagatcgaga 120
gtgtatgttc ttgaaaagta aaagacacaa cacaggaggt taagatgcaa atcatccata 180
tttattagtg ctacgatcat ggtttgcaaa ggattttaag actttggaga tcccaatgag 240
tccttgaga ataatcatgt atttaacctt ctagcttccc taggcgttat gcataatatt 300
gtttgacgat atcggaattc acgggtgaag gaaattcttc atcatccata ctggcaagca 360
acaatgcccc tcccgaaaat gccttcttca caataaaagg tcctttataa ttcggagccc 420
acttccccct atggtccttt tgagcttgtg atactttct 459

<210> 6414

<211> 445

<212> DNA

<213> Glycine max

<400> 6414

catcagtata acccttcagt ttcaattcag agtctccata aatgaggttt tggctcttag 60

ttcttcttaa gtacttaagt atggtcttaa ccattttcca atgttcttca ccagggtttg 120
 cttgatattg actagttaca cctaatgcat aagcgacatc aagatgtgta caagtccctg 180
 tgtacatgat agtcccact acactagcat atggtactct acttatgcgt tttctttctt 240
 caggagtgtg tggacaattc tccttactaa gagtaattcc aacacctaca agcaaatagc 300
 ctcgtttgga attatccatg ttatatctct ttaagatagt atcaatgtac atagattgga 360
 agagtccaag caacctttta gatctatctc tataaatctt tataacctaga atataaattg 420
 gttctcccaa atccttcatg gagaa 445

<210> 6415
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 6415
 actcttggag aaaggatggt cagtgaattc agttaaaggt tctctagaaa tccatggcaa 60
 agcaaagaga ttggtgatga aagctccatt ggccaagaat agaaccttca aggtaagcct 120
 aaacaccatt gaatctaagt gtctttccgc tgcaactttg tcagatgatt catgggttatg 180
 gcaccttaga ctaggccact taaattttag agatatgagc ctcttgagat ccaaagaaat 240
 gttaattggt ctccctccaa ttaaaattcc taagaagata tgtgacaatt gcttaatcaa 300
 caaacaaccc aggaattcct taagcaattt tactacttct aaggctagtg aaatattgca 360
 tgttggttac tcagatatct gtggacctct tgacactcca tcatta 406

<210> 6416
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6416

agtctcacga ttgctttgct catgcacaat tgtagccgtg gctatacgag acatctttcc 60
 aaacaaagtc aggttagcca taactcgcct gtgctttttc ttccatgcta tatgtagcta 120
 agtcattgat cctgtgaagt ttgatgagct ggaaaatgag gccgcaatta tactgtgcca 180
 gttggagatg tattttcccc ctgctttctt tgacatcatg attcacttga ttgtgcatct 240

agtcagagaa atcaaagtgt gtgggtccagt ttatctacgg tggatgtacc cgggttgagcg 300
 atacatgaag atcttaaaag ggtatacaaa aaatctatat cgtccagaag catctatagt 360
 tgagaggtag atagcggaag aagccattga gtnntgttca gaatacattg a 411

<210> 6417
 <211> 453
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6417

gcttaacatc agaccacttc caggtgctgg aactacttca catggatttg atggggccta 60
 tgcaagttga aagccttgga ggaaagaggt atgcctatgt tgttgtggat gatttctcca 120
 gatttacctg tgtcaacttt atcagagaga aatcagacac ctttgaagta ttcaaagagt 180
 tgagtctaag acttcaaaga gaaaaagact gtgtcatcaa gagaattatg agtgaccatg 240
 gcagagagtt tgaaaacagc aagtttactg aattctgcac atctgaaggc atcactcatg 300
 agttctctgc agccatcaca ccacaacaaa atggcatagt tgaaaggaaa aacaggactn 360
 tgcaagaagc tgctatggtc atgcttcatg ccaaagaact tccctataat ctctgggctg 420
 aagccatgaa cacagcatgc tatatccaca aca 453

<210> 6418
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6418

ccaaaatatc ttaactttaa ggtagatata acatgtataa actgaattat actagcaaag 60
 gaatggtaag agatgttaaa gttatattta tcaattatca agactaagta cattatctca 120
 aatcacacct tcttgcttat tcttataggg aaatgatcat tntatggcaa cataagtaat 180
 tgaagcccgga aaggatacac ctctactgcc aattcagtct gggaaagacc tgaactaaat 240
 aactttcctt gccaatgtag gtcaccgcca tacctagtca aggggaacaa agttaggcaa 300
 ctcattaaag cctagttaaa gggttagtca tctaagtttg tgtaatatat cattaatata 360
 atatatcact tattacattn tagatgaact atatatgacc agtgtgacaa gtaaacaatc 420

<210> 6419
 <211> 387
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6419

aaggactcat ggtcactatg aatgacaaat tccttgggat aaaggtagtc tggccatggt 60
 ttcaaagccc gtactaaggc atacaactcc ttatcatata gtgaatagtt aagggttagga 120
 ccacttaact tttcactaaa ataagcaatt gaatggcctt cttgcatcaa cacagtccca 180
 atcccaacat ttgaagcatc acactcaatt tcaaaagatt tttgaaagtt tggcaacgca 240
 agtatgggag cattaattag gttttgctta agaacattga aagctntttc ttgtttctct 300
 ccccatTTga aaccaacatt tttcttgagc acttcattga gaggtgctac caatgtgcta 360
 aaatccttca taaatcgtct ataaaaa 387

<210> 6420
 <211> 443
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6420

tgccttgccc cttgatatat ttgaaggact catggtcact atgaatgaca aattccttgg 60
 gataaaggta gtcttgccat gttttcaaag cccgtactaa ggcatacaac tccttatcat 120
 aagttgaata gttaagggta ggaccactta acttttctact aaaataagca attgaatggc 180
 cttcttgcac caacacagcc ccaatcccaa catttgaagc atcacactca atttcaaaag 240
 atttttgaaa gtttggcaac gcaagtatgg gagcattagt taggttttgc ttaagaacat 300
 tgaaagcttt ntcttgtttc tctccccatt tgaaaccaac atttttcttg agcacttcat 360
 tgagaggtgc taccaatgtg ctaaaatcct tcataaatcg tctataaaaa cttgctaagc 420
 catgaaaact cctcacctcg gtc 443

<210> 6421
 <211> 350
 <212> DNA

<213> Glycine max

<400> 6421

gaatcaactg agaaagtctt tccacacata atacaaaaag gtaactggat agaggatatc 60
tttgcctaag acccctcgaa agattgaaaa cattactctt ctccccattc aatagaactt 120
ggaaagatgt gaaaggcata cactcgtaaa caatactaag gaaatgggtca tcaaaaccca 180
aatccctcaa agtgtgaatg acaaaatctc actaaatgct atcatatgcc ttctctagaa 240
caactttgat cgccataaac ccttttctcc ctttagatct tctcgtctta tggaaaactt 300
cttgagccat attaccatta tccctccctt gtctccctag aataaagctg 350

<210> 6422

<211> 348

<212> DNA

<213> Glycine max

<400> 6422

cgggctcaat ttcgagcgtc tccatatatt attcgcctga atctgacatc cgtgtgataa 60
gttctgacca ttataatttg tccgagagctt ccgttggtca atttcatacc tctcgatata 120
ttatgcgctt gaatcggacc tccgtgtgaa aagctatgac atattgaata tctcgcgac 180
ttccattggt caatttcgag cgtttcgata catgatgcgc ctaaatcgga catctcggag 240
aaaacgtact aacatttgaa ttcttcgaga gctttcgttg ttcaatgtcg agcgtctaga 300
tatattatgc tcttgaatcg gactttcgag tgagaagtta tgaccatt 348

<210> 6423

<211> 432

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6423

cccacaaagt attctgtttc aactttcttg gctagctagg ctctcttaat ttgaggcaca 60
taagtaaagc gcaaacatcc aaatacttta aaaaatttca agaagggtnt ataaccatac 120
caagcctcag aaggagtctt ctcatctact gctttggtgg gaagtctatt taacaaaaat 180
actgcagtgt ttgtagcttt cgcccaatat gccttaggta actctttctc atgaaacata 240
catctgacca tttccaagat tgtttgatcc tttctttcac taaccctatc ttgttttagag 300

gtgtaagaag cttgtaattg atgtcaatgt ctgcttcctc acaaaacatg atgaggtatg 360
 ctgaagtgtg ctccttacca ttatcagacc tcaaagcttg aatcatgcag ccactttgct 420
 ttttaatcca ct 432

<210> 6424
 <211> 452
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6424

nntctttgta gttaatggca tggcagcagg gttctttgct tgcaagaggg tgtgtgaggc 60
 aaggagatcc cctctccctt cctcttttga ttggcagaat tagttctcag cagagggata 120
 tccaagttaa ttcagaatgg tctcttacct cggaggtcag gaccaagggg ctgtctcatt 180
 cccagtcatt ctttttttac agatgatctt atgatttttt gccgtggcca aaagaaaggg 240
 ttgatgcatt tgatgacctt gctttctcaa tatggggaag cttcgggaca gtggattagc 300
 ctggaaaagt gcagatcaga ttttttcatg gcgttctctc tcgaaatagg atcctctctt 360
 atggacatcc ttggtattgg aaagggatct cttccttttc attaccttgg tgttcctaatt 420
 ttccaaggta gaccacaggc aagttatctt at 452

<210> 6425
 <211> 440
 <212> DNA
 <213> Glycine max

<400> 6425

tctcgatata ttatgtgcct gaatcggact tctgtttgta ttattattac catttgaatt 60
 tctcgagagc tttggctggt cagtttcgag tgtctcgata tattatgcgc ctgaatcgga 120
 cttttgtgtg acaagtattg aacatttgaa tttctcgaga ctttcgggtt ttcaatttaa 180
 atcgtctcga tatgtgatgc gccagaatcg gacttccgcy tgacaagtta tgaccattgg 240
 aatttatcga gagctttcgg tgttcaattt cgaggggtctc gatatattat gtgcctgaat 300
 cggactttcg tgtgacaagt tatgaacatt ggaatttctc gagaccatac gatgttcaat 360
 ttcgagcgtc tcgatataatt atgcgcctga atcggacttc tgtagacat gttatgacct 420

tttgaatttc tcgagagctt

440

<210> 6426
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6426

agcnttgtga cgaactatgt atggctttat ctttattttt attattnagt atatacaaat 60
gagcttggtg caattcttct agacttggag tgataacata caatcctctt gaacccttac 120
ctcccactct ttcgccatgc taagactccg gaacctcaac aagtatgaga aaaaacttag 180
cttttccttt ttggataaag tatgagaagc tggaggcaag tatattttct taccatcaaa 240
ccttggtatg aactggtctc gtatacccat ctcaactaga tcttggcgag tattcaaacc 300
atcctttgtc ttgccttgaa tgttaagaag attgtcgatg acactatcac acacactttt 360
ctcaacatgc ataacatcaa tacaatgtat gacatctaga tcgaaccagt atggaagatc 420
aaa 423

<210> 6427
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6427

agttgctcca acacttaaga tacttagctc gctcttctta tccaatctta tgtcgggctaa 60
acggacttca tacttgactt gattgttcat cgtcccaaac ttgaacctta gggattgctc 120
taggattatt tcatttgggc tttctaggat gacaccagtc ctactccctt tntcattgga 180
tgaaccatc tgcatacaaa ttccaccact cggattgtag ttctgtagtt gttgtcaatt 240
cgacgatgaa gtctgctaag cattgagcct tcgtagatc ccttggtttg tacttgatcc 300
caaactcgaa caactagacc gactaacata tcattcggtt tgcaagttct ggtttcatca 360
tgactgttaa gatatggtgg ttggtttaaa ctatgatttg atgactttgg a 411

<210> 6428
<211> 405
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6428

agcttgctta agattatata ttgtatttct ttaattngca cactatgtgt ttctttcctt 60
caactaagaa tcccattggt tgggtccatat aaacattctc ctctaattct ccattaagaa 120
aggcattttt tgcattcatc tgatgtagct ccaagtcata atgggctact aatgctatga 180
taatcctgaa agaatccttt agtgagaccg atgaaaacgt ctctttataa tcaatgccat 240
ctttcttagt aaatccctta gcaacaagtc tagccttgta acatttaagg ttgtcatgag 300
agtcacattt agtcttgaag acccacttac aaatcttaca acttttgtaa ttctacaagg 360
tcccaaacac cattatgttc catggaatct atctcttctt tcatg 405

<210> 6429

<211> 423

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6429

agctngcaga tgagtttatt ggaagattca natgttggtg gtttaaaaaan acnngnanct 60
ttgggtaaag atagtgaaaa ttttgtgaag tgtcaaaaac tagacacaat ctcgaaaaga 120
aacaatataa attattgtat tttcttggtg gcttttctta ttatttttgt ttatttgaaa 180
aaacatgatt ttaagtcatt aattattggt tgtgccttaa cattttttta aatatcattg 240
tcttacacta caaacacgac aaacaatagt gatttttata tcacaattta actcttaaatt 300
caattacgtt tttttattta taagggtcaa acataaaatt ttacttaaga attgagtcta 360
atgtggatgt ttttataagt acatatgtta taataatgta attttttccc cttaaattcta 420
att 423

<210> 6430

<211> 381

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6430

agctttgaga atttgagaac atgacatttc atttgacagt aatatccaag atatacaaat 60

ggggtgttgggt caatgtacca catttaatag tacaaactaa aagaacaaga aaaacagacc 120
 aatttctagg cgtctcagaa aaaacttttag acaagacagt tcacctaata aggttttggga 180
 ttagtagtaa tcatatttgt gtaaataaat agcttaccag agttcattgg actccatcgc 240
 tggaaccgaa aaggagatgg tatgttgaga acagaagcac cagaaacact gttatgcctg 300
 gaaatgggaa gatattgcct ccggaaaaac cttggcatcc aattgccaat acatgataaa 360
 gcacanagaa gaagaataaa a 381

<210> 6431
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6431

agcttgaagg aaaactngan gtcntgttaa cctactaacc cagcttgcca tgattcataa 60
 atctacacct gtcgcaagag tctgtggtct atgttcttct gcagatcacc atacagatct 120
 ttgtccttct ttgcagcaat ctggaatcaa cgagccacct gaagcttatg cggcaaacad 180
 ttataataga catcctcagc agcaaaaacca acaacagctg aataattatg acctttgaag 240
 caatacatat aatccatggt ggaggaatca tccgaatctg cgatggacat gtcctccaca 300
 acaaaaataa gccgtccctc cttttcagaa tgttgctggt ccaagcaagc catatgttcc 360
 tcctccagta cagcagcagc gatcacaact aacacaacaa gcagatg 407

<210> 6432
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 6432

agctttgagg atatcagcat cagtgctatc tcttattgga aagtcccaac aagccttgta 60
 gatagctaag tgtgccaagg gtgctcctcc tctggctaaa ccagaagcaa gtcccctata 120
 atttgcatct cctacaaagt aacctgctgc tgtggaagct gtgtgagtgc catggccaat 180
 ggcattctct gccgagagat attcatcaga gttgtttcct tggaggagtt tcttagtctg 240
 atcacttatt cctttcatga accatctagc acctattatc ttcttggtgc aattgggtgga 300

gttgaagtgc tttccccctt gacaaattcc tttccacctt gatgggattt gtcccattgc 360
 ttcacattg aaacttggtg actctggcca aatgccttca agaaatcata tttgtcattg 420

<210> 6433
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 6433

agcttaaagt atagaaatct attacttttt tttataataa tatcaaccaa catcataagt 60
 agcactttga tcttatctta tgaaaataaa atgaatatat tttttttatc ttatcaccat 120
 cttgactctt aagaaacaaa aaaaaaatag attatttaaa aaataatgga ataataaaat 180
 atgacaaagc cttagtaaag atgtatatga cttattgata tgtgcagatg agatgtaaat 240
 aaacatcttt atggaaaact atcccttagta aagttttaag ttattattca aattccttgt 300
 gtaatactct tactgtcact atttattttt atttgtataa attgaacata aattacattt 360
 gattggaata tgtaataggt tgttcatgat agttcttact atgtaaa 407

<210> 6434
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6434

ttttatgcca taatatttgt gttcttccgc atctcttttg acntntttta tcaaacggca 60
 aatgagcaac tcacgggagt agtatgcctg tgcagaagaa aaggaaatag gaaaaaaaaac 120
 attgaatacc tacataatct atttgtgttg tcattacttt gttttttaat ctgaactcta 180
 ttttattgaa ctcaaagacc ttatttacgt gtataatata tgttttttct ttattaacag 240
 gtggaactga aatttcaata tagagcactt ctgttttttg cataccagag ttttaagcttt 300
 atgtttggtg acttgacctt atccccctt tatgtctatc aaagtatatt ntctggaaga 360
 ctgaaaaagg tccaaaatga ggatgcaata tttggcgcat tttct 405

<210> 6435
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 6435

agcttgacag atttctagta tctcacttat ggtttgttta atggcctgac accaccaat 60
ccaccttggg taggaatttc tctgatcact gccctatctt gctgaggtca agattcattg 120
actggggacc taaacctttt agggttctgg attgctgggt tcaggatagc tcttttaaaa 180
gaattgttca tgactgctgg acgtctacgc agattggagg gtgggggtggt tatgtgctta 240
aagagaagat aaaacgcctc aaaagaagat taaaggagtg gaataaggag cactttgggg 300
acacttttaa gaagggtcaag cagattcaag aggagcttag taggctggaa gagaattcta 360
ttgatagaca tctgtctccc ttggaggtct cgtat 395

<210> 6436

<211> 425

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6436

actaagctta tgctganaca tctacaacag acctcctcaa cctttcatca aaatcagcca 60
caacagaaca attatgacct ctctgcaac aggtacaatc cgggtggag gaatcatccc 120
aaccttagat ggtcgaatcc ttcacaacag cagcaacaac aacaacaacc ttattttcaa 180
aatgttggtg gcccaagtag accatacatt cctccaccaa tccagcagca acaacagcaa 240
tagccccaga aacagcaaac agttgaggct cctccgtaac cttcccttga agaacttgtg 300
aggaaaatga caatacaaaa catgcagttt caacaagaga ctagagcctc cattcagagc 360
ttaactaatc aaatgggaca attgggtaca cagttaaate aacaacagtc ccagaattct 420
gacag 425

<210> 6437

<211> 419

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6437

agcttatgag aatttcaagc tttatattct atgtattttt aatnnatcat gataaaaagc 60
tttcaaaaag gaacttccag cctgggtcaat aggtttttatt atttagttat agattaagat 120

tgtttcctat aagctgaaat ccaagtgggc tagaccattc atcatcaaag aagttatgcc 180
 acatggaatg gtgatattgg aggatccagc caccaaaagg acatggaccg tgaatggtag 240
 cagaatcaaa cactacttag gtggtgattt cgagaggcta acaactattg tccaactaca 300
 agaggcttga accacaacaa agacgtccaa cttaaaagac attaaagaag tgctcctggg 360
 agacaaccta gtattttctga actttgcttt taattttcta ttttcctaata tacatatat 419

<210> 6438
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6438

agcttcaaca tcagaccact tccatgtttt tttttctact tcacatggac ttgatggggc 60
 ctatgcaagt tgaaagcctt ggaggaaaaa ggtatgccta tgtggttgat gatgatttct 120
 ccagatttac ctgggtcaac tttatcagag agaaatcaga cacctttgaa gtattcaagg 180
 agttgagtct aagacttcaa agagaaaaag actgtgtcat caagagaatc aggagtgacc 240
 atggcagaga gtttgaaaac agcagagcat atagagtatt caattccaga accagaactg 300
 tgatggaatc catcaatgtg gtggttgatg atctaactcc agcaagaaag aaggatgtcg 360
 aagaagatgt cataacatcg ggagacaatg tagcagatac agc 403

<210> 6439
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 6439

tcttatccaa ggcaattctt ggtgggaatc ttcttcttcc ttggcttatt ccctagtggg 60
 tggatgctcc cctctcccct tctcctttgc cttccgctgc atctccatgg tgtaaaatca 120
 ccattgaagg acctcattga agctcaaaga tccagcctcc atagaagccc cacaagcaag 180
 cttccatcaa taggttttct aaaatggctc attttattcc atgtaaaaaa gttgatgatg 240
 cttcccatgt ggctgatttg tttttcaagg agattgtgag actccatggg ttgccaagga 300
 gcattgttag tgataggagc tctaagttcc taagccattt ttggaggact ttgtggagca 360

agttgggcac taaattgtta ttttcaacca cttgtcacc acaaaccgat gggcaaatt 418

<210> 6440
<211> 361
<212> DNA
<213> Glycine max

<400> 6440

tgaagacag taatgaccag aacaaaattg atccatctga cacaacagaa cttataatga 60
acagttacat cataacttcaa tagacacaaa ccacaaaagc ttatcataaa gcttggagcc 120
atgtgcagga gcccacagg cattaatgac cagccaccag gggttcctct ccgcgtagaa 180
cggcctgtaa ctcccctcgg agtcaagggtt ggcgcggaag ggggtgtggg ccacttggg 240
gtgttcggag gggaccacgt cgggtgtggga gtagaggagg atggattcta cggttgggtc 300
cgggccttct tatttagaaa gaccagtggc ttccctggaa cgaactacat ggtttgggat 360
t 361

<210> 6441
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6441

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ggaatatatt ttttttttg gtttaaaaca aagggtgcaa atttgactag tttgtatgat 120
attattaatt taagaattta atgtgatatt cacttataag ataagttatt taatcataaa 180
tçattattga tatgatttta aagattgtta ttataaaaga ataaatttat catatcgtga 240
tttatgattt gatgataatg taaaattatt ttacattatc attatataat ttttcttctc 300
taactttaca tcttaatgca caaatggac agaataaat tattatcatt ttcaattttt 360
caaaacaatt ttttttttat catttatatg tattagatgt ataaattaag taac 414

<210> 6442
<211> 396
<212> DNA
<213> Glycine max

<400> 6442

tctaaacttt atacaagaat gaagctctga taccttttgt tagacaattg gcctcagata 60
tcttaagaag ggggggttgaa ttaagatatt gcaaactatt ttcccaatta aaattctatt 120
tcaatttcaa tgcaagttac aaattccctt aaaaatgaac tcttaaataa tgattcaaatt 180
cgaacaatct gaatataaat ataaagcaat aataaataaa agagtttaag ggaagagaaa 240
gtgcaaactc ggattttatat tggttcggcc acacccttgt gcctacgtcc agtccccaag 300
caaccgcctt gagaattcca ctatcttgta aaatcctttt acaagttctg aacacacaag 360
gacagtcctt cctttgtgtt cagatttctt tacaac 396

<210> 6443
<211> 431
<212> DNA
<213> Glycine max

<400> 6443

gatcttaagt caccgcggct gcaagcttgc aattgacatt ttttctattc atagggacat 60
caagcgctaa ccttttttca ctcaactgta acaatgcttg atgatgataa tgcccaagcc 120
ttttgtgcca gatttctgtg tgattctcta tgagagagaa aacaacttgc tcctccttca 180
atggatttag agcaaaactt tttcctttca tttttacctt gaagatttct tgaccagcta 240
catctttaat taagcaatat ttgtcttcca atacaacttt aaatcctcgt tcaatcaatt 300
ggccgacact taataagttt tgggtcaattt tcagaatgaa taggacatca gcaatacatc 360
ttgtgcctgc agaacttgtg attgcaactg tcccctttcc tttgactagg atataatcac 420
cattacaaat t 431

<210> 6444
<211> 408
<212> DNA
<213> Glycine max

<400> 6444

ttcttgactt caggtttttg gtttatatga tacttgtata aactagactc cacatattcc 60
tctggcttta ttgttaccac atatggcagg gctatggctg aattacgggt tcttaggcta 120
tttggaatc ctcttgagtt tcttctgaa attttgcccc tccacaaact tcgacacctt 180
tctcttgcaa atattaggat cgtggcagat gaaaatttga gatcagtga tgtgcaaata 240

gaggtagcac tttgtaaact agctagacta ccttgctgac attattcttt cgaaacatat 300
cacatgcttt ttctggatcat tgcagatgga aaacagttct tatttcggtg catctaggca 360
taaactcagt gccgtcttct ctcttatatt ccgattttct tcttgta 408

<210> 6445
<211> 393
<212> DNA
<213> Glycine max

<400> 6445

gctcagcaat catatgatca tagtgcacgc taactgtgtt tccttcttta attccaatcc 60
ccactcggac ttgcacaata gcagattttg aatatgatag aaagaacgat ccacaaatta 120
acatttaagt tttatagtta ttccagacca actggggaag tttatatacc cataactaga 180
tcagcctgct tgtcttgcac atatgacctt gccgagtata tctccgacct tgggccgatg 240
tacttataca tgaaaaatgg gtaggaagaa cctacagata tggagagcaa catcacctga 300
taaaggatg tgattgactc atcggaagat cttctcccat ggtaacaagg atgtgccatt 360
caacacgata ctgaccacaa tttatttctg taa 393

<210> 6446
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6446

agcttgtgaa ccactcgtaa ttataatata tcacttggtt gtagctaaag cacctagtat 60
atgtagtata tattaaaaga taaagggtga gaggaataaa tttaaaatat aaatatgaat 120
aattaagatt aaagggttatt taattattac ataactacta aaaaaattac accattttgt 180
attttaattt taatccttta tgattatata tgtatgcgag taaataattc atatactgat 240
ggagcataag atttttattc tattattaaa tcataaatta ttatgtataa taattttgtt 300
aatttttata ataattattt taaaaatcaa aattttcata attnttcatt aattaacaat 360
attattctat actaatgtgt gtaaaaatta atatctattt ctatatat 408

<210> 6447

<211> 421
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6447

nttcttcctt cttatcttcg caacaagagc agcagctgcg atctccaggt tctagtggat 60
 cagatggcac catatcccaa tgggtcaaata ctaactgggg gaaagccttt ctcccagttt 120
 tagcccttag tgattcattg aatttagatg actcaataac aggaaaatat gccttgacat 180
 tgtaaagtgg ggtgccaggc ctctggcttt cctcaaacac atgccctctt ttctgggttaa 240
 gaacactgta tacaccacca agagcctgtt cagggtgctg tatttccacc agatacacag 300
 gttcaagaag tcttggtttt gctgtcagca tggctgcata gcacgctctt ctagcagttg 360
 aatgatctg accacctctc tgtgaatggc atcagcatga agaatcacat cacatatctt 420
 g 421

<210> 6448
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6448

agcttagcaa acatgcttat ctattatttg tttcntttta atatgaactt gactaattta 60
 atttagagtg gtgtatttca atgttcagta tattggttct gttcatatat ttacattgt 120
 aatatttaaa tagttatatg tttgttattg ttaaattaga cataagtggc tgtacatttt 180
 tgtgtacata tcatatcacg acttttggtta ttgatgtacc aaatgagttg ttactttatt 240
 gtgattttat aattatgtga taatttttca ccagtggtaa tgttccattc ttataacat 300
 gatggagaaa aaattgatat tttatgtgat aaatgagagg gtggctgaca tgggtgagtt 360
 agttattggc actgctgagt tcagaatggg aacaaaaggc ataatangtc ttgct 415

<210> 6449
 <211> 414
 <212> DNA
 <213> Glycine max
 <400> 6449

ttattggctt aacttgagct ttaactcctt gtttgttcca ttgccaacta tcttaacttc 60
tctcacctac ctatctcttc aacacaataa cctcttgggc tctattccta actcatgggg 120
tggtagcttg aaaaataact tctttcggtt ttgaaaaatg atcatagatc ataacttgtc 180
gagtggaaagc attcctgctt ctttgggtgg cttgagtga ctcagagaga tttatcttag 240
tcataaccaa tttagtggag ttatcccaa tgaaatagga aacctttcta gacttaaaac 300
tctagatttt tctaacaaca ccttgaatgg aagcttgcac gccgctctct ctaattttat 360
tcaataaata cagatagcaa gtacaaaaca aacctatgct atactaccat atgt 414

<210> 6450
<211> 424
<212> DNA
<213> Glycine max

<400> 6450

agcttcttat ccaaggetca tctgtgtgtg attctctttc ttccaaggct tattccctag 60
tggtatggcgc ctctctcttc ctcttctcct ttgtcttccg ctgcatctcc atggtggaaa 120
atcaccatta aaggacctca ttgaagctca aagatccagc ctccatagaa gccccacaag 180
caagcttcca tcaagtgtgt ttcataattc aataacaatt gtggattata tggcacaaca 240
aatcgattat caagttcaat accattttta gcactgtacg cccatcattt cttctcctat 300
aaattggaaa tccatcttgg tcaacaattg ttgatccatg gaatttttta gggaaatatc 360
taatacactt cccattgacc atacacagtg atcttttatt tgcaaacca catggtccat 420
gaat 424

<210> 6451
<211> 419
<212> DNA
<213> Glycine max

<400> 6451

agcttctaaa cttaatacaa gaatgttgct ctgataccac ttgttggaca agtggcctca 60
gatattctaa gaaggggggg ttgaattaag atattacaac ttatttccc aattaaaaat 120
tctatttaac cttctattca agttataaat tcccttaata atgaatttct taaatattga 180
ttcaaaaaga acaatttgaa tatgaatata aaacaataat aaataaagga atttaaggga 240

agagaaaatg caaactcaga ttatactgg ttcggccaca cccttgtgcc tacgtccagt 300
 cccaagcaa cccgcttgag agttccacta tcttgtaa at tcttttaca agttctaaac 360
 acacaaggac aacccttctt ttgtgtttag aattctttca caacaagaga ccctcggtc 419

<210> 6452
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 6452

agcttatttt ataaaataaa attaattatt gtggattaca tagattatgg tgcacaaaat 60
 aaatgagaag tgaatatatt ttacaatatt taagctttct gtaattaaac gtggccttaa 120
 ttttcaccat acattttggc tgttttttta catgaaagaa aaatttgaat caaagttgta 180
 tgaagaaggg ttatggcctc ttagaacttt tactttatca tagattcata gtaataatgc 240
 atttggttta ttaggctaac tcaaactctt aacaaatggc catgcattga aactgtaggc 300
 tgatgttgat aacagtggga caattgatta cggcgagttc cttgctgcaa cattgcaccg 360
 caacaaaatt gaaagagaag ataacttatt tgcagccttt tcttactttg at 412

<210> 6453
 <211> 442
 <212> DNA
 <213> Glycine max

<400> 6453

agcttaaggc tattacttga cctttatgca taaacactcc tccatgggta tcaaactctc 60
 gagttaactc gctaactctt acgagtttac aaattcaatt gtcctctgag agtcgactct 120
 tgagtaaaact ctttttttag tagactctag gcaaactcta taaactctga gtaaactcgt 180
 taaactctcg agtttaccac caagtcaatg agtttagcaag ttaaaaaaat tagaccaaaa 240
 tgtaagtcac tttttattgt tttctttctg tatagtattc agcatacctt catttagtgt 300
 aatattctca aatacaaaaat tctcaccttt aataatatta aacctttatt ctctaataac 360
 aacaaactct cgatgagaat gatctaccac tactataatc tctgcagtta ttatctagta 420
 gtgatatatt attactagac tt 442

<210> 6454

<211> 440
 <212> DNA
 <213> Glycine max

<400> 6454

tcaacctaga ggagacggac cattccaagt gttggagaag atcaacgaca atgcctacaa 60
 gattgacttg cctagtgagt ataatgtaag tgccactttc aatgtgtctg atctatctct 120
 ttttgatgca gatggaggag ccttggattt gaggacaaat ccttttcaag aaggagggag 180
 tgatgaggac ataaccaagg accatgaagc acttgaaggt cccatgacca gaggcagact 240
 taaacaagcc caacacgtca tagagacaag gctggtcatt tgtatagctg ccattgatga 300
 tgattgaagg cccaagtgca taaagatgaa ggcccagagg cagaggcact accaagacta 360
 ctaattgttg ctgaaggccc aaactaactt gaaggaccaa gttaaataga gtcttagtta 420
 taatttatct ttattgtaat 440

<210> 6455
 <211> 479
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6455

taggaccttg aaactaagct tgaccctaaa taagaccag aggaataccg aanaagtagt 60
 aacaagcaat attcacgtaa gcaaccacag cctgccaccc tgcgccaaca gcaacacctg 120
 agagaacggg ttgcacgttg ttgatgacaa tgcaaagggc caacatgggc gtgagctcta 180
 ccacaatctt tctcacttct gaatcatttg aaaacaagaa agggtagtgg ttccggaaga 240
 ttatcagcac catcgagagc atgacaccga tcagagttga agtaatcaca gcaacaagaa 300
 gtgaaaactt tgctgttctt gggtgacatg ctccagtttc atttgacacc ctacactgc 360
 aatgtaatt nttggtcact gactgattta ngtaaatacat tcacagttta atggttatgc 420
 acaataacgt acaacagtct atactattgt taactaataa taaatcattg ataataaa 479

<210> 6456
 <211> 419
 <212> DNA
 <213> Glycine max

<400> 6456

agctttacat tactcctcat gcttctcacc atgtctaata atgttcgatt tcttcgttct 60
gccacacat tctgatccgg agaaccaggc atagtgtatt gggcaacaat cccatgttct 120
tgaagaaatt tcgcaaatga acctggtgct tgtccatcct ctgtgtatct accatagtac 180
tccccacctc tatctgatct cactgatctta atttgtgttc cacattgttt ctcaacttca 240
gccttaaaaa ctttaaaggc atctaaagct tcattcttag aatgaagtaa gtatagatac 300
atatatcatg aataatcatc tataaagggt atgaagtatt tcggactatt agcatccatg 360
tctggacaac atatgttggt atgtatgagt tctaataaaa tagaacttct ctttgcacc 419

<210> 6457
<211> 419
<212> DNA
<213> Glycine max

<400> 6457
agcttgctcg tcttgctgat atttatcatg catacttttc tgatgatgac cgaggaacaa 60
ttagggatca acttgaaact tatgtgcttc aagtgagaag aaatgcttct tttccactt 120
gtgaagatgt tcaaagtttg gctatgaaga tgggtcaaac tgagaaacat ttggtatttc 180
cattggttta taaacttatt gagctagctt tgatattgcc ggtgtcgaca gcatccgttg 240
aaagagcttt ttcagcaatg aagattatca agtctaaatt gcgcaataag atcaacgatg 300
tgtggttcaa tgacttgatg gtatgttaca ccgagcggga gatattcaag tcacttgatg 360
atatcgatat tattcgaaca ttaaccgcaa agaagtctct gaacggacac ttgtcttgt 419

<210> 6458
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6458

ctntattttc agtagatgaa gatgaatccg tggccacctc atggactcct ctaaggacaa 60
tagcatcatt tcttgactg aattgttggg agttagaagc catcttctga atcaaattcc 120
tagcctcagt aggggtcata tcaccaagag ctccaccact ggcagcatta atcatactcc 180
tctccaggtt gctaagtccc tcatagaaat attgaaaaag gagttgctca aaaatctggt 240

ggtgagggta gctcgcacac aatttcttga atctttccta gtactcatac aagttttctc 300
 cactaagttg cctaatagctt gaaatgtctt ttctgatggc agtggtccta gatgcagggg 360
 agaatttctc caagaacacc ctcttaaggt catcccagct gaaaatagac ctgcgagcaa 420
 ggtagtatag ccaatctttt gccactccct 450

<210> 6459
 <211> 435
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6459

agcttcttca catagtccgc ctttgcttga tcttctttat gcttaaaaac agaaacatta 60
 tgcttatgca aaagatcaag aggagttagt gggttaaaac cataaacaac ttcaaaagga 120
 gaacaattag tgggtgctatg aacagctcta ttgtaagcaa actcaacatg gggtaaacia 180
 gcttccttaa gttttaagtt ctctctcaaa actgtcctaa gcaaagttcc caatgtccta 240
 ttaacaacta ttttttgccc atcggtttat gggtgacaag tggttgaaaa taaaaattta 300
 gtgttcaact tgccccacaa agtctctcaa aaatggctta tgaacttata gtccctatca 360
 ctagcaatgc tccttgggcan accatggagt ctcataatct tctttgaaaa caaatcattc 420
 acatgggaag catca 435

<210> 6460
 <211> 433
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6460

agcttaagct ctttcaactg cacaatgctc ttaatatattg aagagtatcc ttgtggaacc 60
 ttcacccgac gaagacactg acaaaaactt atcttctcat tcttggacaa agtatggcag 120
 gctgggggca agtaaatttt ctcccatca gaccttggat gcaactgtga ttgtataccc 180
 atatcatcta gatcttgacg ggtattcaag ccatccgtcg tcttgcttg aatgttaagg 240
 agcgtcccaa tcacactcac aaacattttt ctccacatgc ataacatcaa tacaatgtct 300
 aacgtcaaga tcacaccagt acggaagatc aaagaanatg gacctcttct tccatatgca 360

actctgactt ttaatccttt tttgggtctt cccaaataca gtattcaggt gttgaacccg 420
ctgatatacc tac 433

<210> 6461
<211> 427
<212> DNA
<213> Glycine max

<400> 6461

agcttccggtt attcaatttc tagcgtctcg atatattatt tcaccgaatc agacatccga 60
gtgaaatggtt atgaccattc gaatttgctg agagcttctt ttgtttaatt tcgagcgtct 120
agatgagtta tgtcaccgaa tcggacatct gtgtgaagag ttatgaccat tcgaatttct 180
cgacatcttc cgttgttcaa tttcaagcgt ctcgatatat tatgtccccg aatctgtctt 240
ctttgtgaaa agtttggacc attcgaattt ctggacaact tccgttggtc aatttcgagc 300
gtctcgatat attatgtccc cgaatcggac atttgtgtga aaagttagga ccattgaaat 360
ttgttgagag ctcccggtgt tcaatttcaa gcgtctcgat atattatgtc ccctaatacag 420
acatccg 427

<210> 6462
<211> 397
<212> DNA
<213> Glycine max

<400> 6462

agcttcaatg gcttattgag gatggagagg tgcaagttat gaagcaagta gagttggata 60
tttccattgg aaagtacaat gataaggtgc tttgtgatgt tgatcctatg gagcccaccc 120
acttactctt ggggagacca tggcaatttg ataagagagc taatcatgat ggtttcacca 180
acaagatctc tttcacatat caaggcaaaa agatagtgtc cataccattg agtcacacaag 240
aagtgtgtga ggatcaaaga aaaatgatag agaaaattct tcaagataag agagaaatag 300
atthagagag cccaacactt gagagttcac aaagtaagga caaaaagagg gaaacacaag 360
agaggaaaaa gatgagtga acacttgaag tgaggga 397

<210> 6463
<211> 344
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6463

actcagcttg aattgaacac ggatgctctc gaganaatca agtgggtctta ccttgccaca 60
cagatgtacg agtcgggggaa ataatatatc gagacgcacg aaattgaaca acggatgctc 120
tcgagatatt tgaatgggtca taacatttca ctctgatgtt cgatccgggg acataactta 180
tcgagacgct cgaaattgaa caaccgaagc tcatcacaaa ttagaatggg cgaaactttc 240
cacgcgaatg ttcgattcgg ggacataact catctagacg ctcgaaattg aacaacggaa 300
gctctttata aattagaatg gtcataagtt ctcacaccga tggt 344

<210> 6464

<211> 383

<212> DNA

<213> Glycine max

<400> 6464

agcttgccgc cacggagttt tccgactatg ctcttgtgtg gtggaacaag ctacaaaagg 60
agagagcaag aaatgaagag ccaatgggtg atacatggac ggagatgaaa aagatcatga 120
ggaagcggta tggtccggct agttactcaa gggacttgaa attcaagctc caaaaactaa 180
cccaaggcaa caaggggggtt gaggagtatt tcaaggaaat ggatgtgctc atgattcaag 240
caaattattga agaagatgag gaggttaacta tggctcgatt tcttaattgg ttgactaatg 300
atatccgtga tattgttgag ctgcaagagt ttgttgaaat ggatgatttg cttcacaaaag 360
caatccatgt ggagcaacaa tta 383

<210> 6465

<211> 430

<212> DNA

<213> Glycine max

<400> 6465

agcttgactc ttacgagtca gtttagttaa aggtaaagcc aacttgagaa aaccttctat 60
gaatctccgg taatatcctg ctaaacctac aaaactctta atctcaaaaa cagacttagg 120
actctccac ttaagaacag cttctatctt agagggatcc acagctatac ccccttgaga 180
tatcacatgc cctaggaaac taactttctc taaccagaac tcacacttgg acaacttagc 240

atagagttgt cggtccttaa gggatatgcaa cacaatcctc aaatgttctt catgctcctc 300
tctagtcttg gagtatacca aaatatcatc tataaatact accacacaat tatcaaggta 360
agggtaaaaa actctattca tgtagtccat aaacactcct ggagcattag tcacaccaaa 420
aggcatgact 430

<210> 6466
<211> 452
<212> DNA
<213> Glycine max

<400> 6466

tctatagaag gttcgttctt aatttctcta caattgcac acctctcaat gagttggcga 60
agaagaatgt ggcatttacc tgagggtgaaa aacaagagca aacctttgct ttgctcaaag 120
aaaagcttac taaggcacct gttctagctc ttcttaactt ttctaaaact tttgagctag 180
aatgtgatgc ctctggagtg ggagttggag ctgtattgtt acaaggtggg caccctattg 240
cttatttttag tgaaaaactt catagtgtca cccttaacta cccacactat gataaagagc 300
tttatgcctt aatacgagcc ctccaaactt gggaatatta ccttgtttcc aaggaatttg 360
tcattcatag tgatcatcaa tcaactaagt acattacagg gcaaagcaag ttaaacaaaa 420
ggcatgcaaa atgggttgag tacctacagc aa 452

<210> 6467
<211> 435
<212> DNA
<213> Glycine max

<400> 6467

agcttcaaga aaaatggcct cagcaaactt cttatttcca gaaggaaatt caatcaatag 60
acctccaatc tttaatggag agggttacca ctaccggaaa acccaaagtc aaatttttat 120
tgaggcaata gacttaaata tttgggaagc catagaaata gggccttata taccaccac 180
agtagaaaga attgcaatag atggaagcac atcaagtga agcataacaa tagaaaaacc 240
tagagataga tggctctgaag aggatagaag acgagtacaa tacaattgaa aagccaaaaa 300
cataataaca tctgccctgt gaatggatga atatttcagg gtttcaaatt gtaatagtgc 360
taaggaaatg tgggacactc tacaattaac acatgaagga actacagatg ttataagatc 420

taggataaac acatt

435

<210> 6468
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6468

ntgagcanat tcaaacgtca ataactnttt actcggatgt ctgattgagt cccgtaatat 60
atcgagacgc tcgaaatgga ataccgaagc tctgagaaaa ttcaaataac aataactttt 120
tactcggatg tctgattcag tcccgtataa tatcgagacg ctcgaaattg aataccgaag 180
ctctgaacaa attcaaacga caatcacttt tttactcgga tgtctgatga tgtcccgtaa 240
tatatcgaga cgatcgaaat ggtatactga atctctgagc aaattcaaac gacaataaca 300
ttttactcgg atgtctgatt gagtcccgga atatgtcgag acgctcgaaa ttgaagaccg 360
aagctctgag caaattataa cgacaataac tttttactcg gatgtctgac tgactccggt 420
aatatatcg 429

<210> 6469
<211> 416
<212> DNA
<213> Glycine max

<400> 6469

agcttctcga catattacgg gactcaatca gacatccgag taaaaaagtg attgtcgttt 60
gaatttgctc atagcttcaa cattcaattt tgagcggttt gatatattac gatactcaat 120
cggacatccg agtaaaaagt tattgtcggt tgaatttgct cagagcttcg gcattcaagt 180
ccgagcctct cgatatacta cgggactcaa tcagacctcc gagtaaaggg ttattgtcgt 240
ttgaatttgc tcagagcttc gacattcaag tccgagcgtc tcgatattatt acgggactca 300
atcagacatc cgagtaaaaa gttattgtcg tttgaatttg ttcagagctt caacattcaa 360
tttcgagcgt ctgatatat tacgggaccc aatcagacat tcgagttaaa agttat 416

<210> 6470
<211> 424
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6470

tgccgccacg gagtnttccg actatgctct tatgtggtgg aacaagctac aaaaggagag 60
agcaagaaat gaagagccaa tgggtgatac atggacggag atgaaaaaga tcatgaggaa 120
gcggtatgtg ccggctagtt actcaaggga cttgaaattc aagctccaaa aactaaccca 180
aggcaacaag ggggttgagg agtattttcaa ggaaatggat gtgctcatga ttcaagcaaa 240
tattgaagaa gatgaggagg taactatggc tcgatttctt aatggtttga ctaatgatat 300
ccgtgatatt gttgagctgc aggagtttgt tgaaatggat gatttgcttc acaaagcaat 360
ccaagtggag caacaattaa taaggaaggg agtggctaag aggagtttta ccaactttgg 420
ttct 424

<210> 6471

<211> 352

<212> DNA

<213> Glycine max

<400> 6471

agcttctaga tgagttatgt ctgcgaatcg gacatcctgt gaaaagttat gaccatttga 60
atcttctcag tgcttccggt gtttaatatc aagcgtctcg atattttatg tcctctaata 120
agacatcgga gcgaaatggt atgaccattc gaatttgctg agagcttccg ttgttcaatt 180
tcgagcgtct agatgagtta tgtcaccgaa tcagacatct gagtgaatg ttatgaccat 240
tcgaatgtgt cgagagcttc cgttgttcaa tctcgagcgt ctagatgagt taggtcaccg 300
aatcggacat ccgtgtaaaa agttatgacc attctgctct gtcgagagct tc 352

<210> 6472

<211> 447

<212> DNA

<213> Glycine max

<400> 6472

tcgatatctt gacttgagcg ccaatatatt tcttgagaa tgcagtgtcaa ttccttcttt 60
cctcgggaca atgacttctt tgactcacct cgacctctct ggtactggat tcatggggaa 120
gattccatct cagatttggg atctctccaa tttggtgtat cttcgctga cgtatgccgc 180

caatggaaca attccatctc agatttggaa tctctccaat ttggtgtatc ttggccttgg 240
 aggtgattct gttgtcaaac ctctgcttgc tgaaaatgta gaatggctat caagtatgtg 300
 gaagctcgaa tatcttcatt tgaggtatgc agacctatcc aaagcatttc attggctaca 360
 cactctccaa tctcttcctt ctttgaccca cctatctttg tcacaatgca cacttcctca 420
 ctataatgaa ccaccccttgc tcaactt 447

<210> 6473
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6473

agcttataaa gaaggttnta gaggggtggtg ttagaaagtc tcacatcgcc tgccctcgatc 60
 cttaaggtgt aggtttatat atctattgga caacttcact taatattaat tgattttaag 120
 ttaaaatcta acatgggatg agagnttata gtccgtctta attttcttaa ttgaccagat 180
 gggattggct tatcctgaga gattagttct tgcttttagt tttgttatcc ttctctttac 240
 ttaccaaaaa acaaaagttc tcttgctatc ttttataaca agtattgaat aaaaagtaaa 300
 tacatgtaat gtcttgaaaa tgtaaaacac attaattact tgtcataaaa agaataatag 360
 aacgatatat gtaatgtaag agacttttat aagaggaaac accttttttg ttcttaaata 420
 taa 423

<210> 6474
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6474

agcnttttca aatttggttgc aggaacaatt cgtttttaaag ctctccaagt gtacatttgc 60
 gcagcctcag gttgaatacc tgngtcatgt tgtatcagca caggggtgtgg aaccagtcac 120
 ggccaaggctc cangctatac agcaatggct ggaaccgcat tcggggcgcg cactcaggag 180
 ttttttgggt cttgctgggt tttatagacg cttcatcgc ggctatgcaa ccacgcgacg 240
 tcctttgacc aaattgggtca cggcggaacc ttttcagtgg accgacaaag ctcgtgctgc 300

cttcactcac ctcaagcaag tgttgacctc cactcctgtc ttgcggttgc cggatatctc 360
tcttcccttc acggtggaga cggatgcttc tggaacaagc atgggagtcg tgttgaccca 420
acaggg 426

<210> 6475
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6475

agcnttgcgt ctacaaatgt catgtcctcc ccttggcctt tttccatgtg ggggatagat 60
gtcatagggtg ccatcgaacc caaggctttg aacgatcatc gttcattct cgtggcaata 120
gattatttca ccaaattgggt tgaagcggct tcctacacca atgtcatgag gagtgtagt 180
gtcagattca taaagagggg gctgatttgt cggtatggac tccctacgaa gatcattact 240
aacaatggca ccaatctgaa taacaagatg acgtaggaaa tgtgtgcgga tttcaaaatc 300
cagcatcaca attccacgcc ctaccgacca aagatgaacg gagccatgga agcagccaat 360
aagaatatta agaaaattat ttagaagatg acagtatcat acaaagatng gcatgagatg 420

<210> 6476
<211> 339
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6476

tctggtttca atttgagtgt ctagatatat tacgggtatc aatcggacat ccgagcaaaa 60
agttattgtc atttgaattt tgtgagagct tctgtattca attntgagca tgaagaatta 120
ttaaattgact caatcggaca tccgagtaaa aagttattgt cgtttgaatt tgctgacagc 180
ttcagtattc aatttcgaga gtcttaaatt attaaatgac tcaatcggac atccgagtca 240
taagttattg ccgtttgaat ttgcttaaag cttttattat gaatttcgag cgtcttgata 300
tattattgga cttaatcaga catccgagta aaaagttat 339

<210> 6477
<211> 432

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6477

agctntaagc aaattcaa at gacnaataac tttgactcgg atgtccgatt gagtcattta 60
ataattcttg acgctagaaa ttgaatacag aagctctcac caaatttaaa tgacaataac 120
tttttactca gaagtctgat tgtgtcccgat aatataatcta gatgtcaaaa attgaaaaca 180
gaagctctga gcaaattcaa acgacaatag cttttgactc ggatatccga ttgagtcatt 240
taataattcg agacgctcaa anatgaatac agaagctcta agcaaattca aatgacnaat 300
aactttgact cgaatgtccg attgagtcatt tttataattt gagacgctca aaattgaatg 360
caggagctct caccaaattt acatgacnaa taactttttac tcagaagtct aattgtgttc 420
tgtaaataatc ta 432

<210> 6478
<211> 352
<212> DNA
<213> Glycine max

<400> 6478

tagagcta at tcaaacgaca ataactttat actcggatgt ctgattgagt cccgaaatat 60
atcgaggcgc tcgaaattga atgttgaagc tctgagcaaa ttcaaacgac gatattctttt 120
tacacggatg tctgatcgag tcccgttaata tatcgagacg ctcgatattg aattctgaac 180
ctctgagcta attcaaacga caataacttt ttactcggat gtttgattga gtcccgtaat 240
atatcgagac actcgaaatg gaatgttgaa gctctgagga tcttcaaacg ataataacct 300
tttatccgga tgtctgattg agtcccgcga tatatcgaga ctctcgaaat tg 352

<210> 6479
<211> 345
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6479

agcttcaaca ttgaatntag agcgtctcga tatattacct gactcaatca gacatacaag 60
taaaaagtta ttatcgtttg aaaatcctca gagcttctgt attcaatttc gagcgtctcg 120

atatattacg ggactcaatc agacatccgt gtaaaaagtt attgtcgttt gaattagctc 180
 tgacgttcag aattcaattt cgagcgtctc aatagattac gggactcaat cagacatccg 240
 agcaaaaagt tattgtcgct tgaattagct cagagcttca caattcaatt tcgacgtctc 300
 caatatatta catgactcaa tcacacattc gagtaaaaac gttat 345

<210> 6480
 <211> 442
 <212> DNA
 <213> Glycine max

<400> 6480

tattaggacc tatgaaactc agcttgcata ctattgtttg ataaaacaaa aagaggatgg 60
 taagccttgg tatttcgata tcaaacgata catcaaggac aaggaatacc cgcctgagggc 120
 ctctaacaat gacaagagga cattacagag gttggcagcc agtttcctcc tgagtaggga 180
 tgtcctatat aaaagaaacc atgatatggg attgcttcgg tgtgtgaatg caaatgagggc 240
 tgggcagata ctaacagagg tgcataagg gtcatttggc acccatgcca atggacatgc 300
 catggcccaa aagattatga gagttggata ttactagatc accatagaga atgattgttg 360
 tgttcacgta aggaaatgcc acaagtgcc aacctttgtg gataatgtta atgctccacc 420
 cgtaccggtg aatgtgttgt ca 442

<210> 6481
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6481

agcttggcgg cttcttccaa aggtgatctc gtatggtgaa atgccggtgg ctaaattgggt 60
 agaagtgttg tatgaccatt ctgcccaat caagaaacaa tcccatgtgg atggtctcta 120
 gtgtacaaaa gctctcaagt attgctcgat gatgcgattc atggcttccg tcgggccgctc 180
 ggacagagga tggtagctg agctcataca gagcttgggt cgcgtcaatt taaataattc 240
 ttgccaaaag tgactgataa acagtgggtc cctgtttgag accagacttc agggcatgct 300
 gtggagcttg ctagaaatct ccatgaataa ccttgccata cttgaagctg tatgatgttg 360

tggtagtgtga cctangtgga ctccctttga aaagcgatcc acaatgacta anataactg 419

<210> 6482
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6482

agctttaaaag tgaattgtgg tcatatcaaa acaatctctt cttacatta atcattagaa 60
gaccggttga tgttatttta aatagggtta attgatataa tgctcctaata taattatgca 120
ttgcgatgtt tgggtacttt aatacttatt gtacttggtg gtcaatctca atgttctttc 180
tttcttggtg atgcatcact attctattgc ttacagaatc tcntaatttt tggcagcaac 240
aatgtcaaaa attattaaag agatgttacc cccagatgta cgtgttgcaa gagatgcccc 300
agatctattg attgagtgtt gtgtagggtca gaattatgtt tccattatat ttgatatgtt 360
gccttaattg ttatatttga agctatatnt atgggtctaaa ttcaagtgtg catcttagtc 420
gtgcacaaaa ttgatgattt t 441

<210> 6483
<211> 414
<212> DNA
<213> Glycine max

<400> 6483

agcttctgtc cctgagaaac tgggtcccag aatacaacag ggagtgaaga ttgctgaaaa 60
ccctatcctt gctacaagtc ctagggaagt agacacggag atggacaaga aaatccgcag 120
tattgtgagt agcatttaga aagacgcctc tgttcctgat gctgagaaag atgttccaac 180
atcctccacc ccagatgttg ttgtccctga agctgatgaa gatgtcccaa catcttccac 240
cccgaatgtt tctgtgcctg atgttgagaa agatgttcca acatcttccg gcccaaagtc 300
tgaagtactc tcttccccca gcaaagagag atcaacagag gaagatgatc aagccacaga 360
ggagactcct gcaccacggg caccagaacc tgctccaggt gacctcattg atct 414

<210> 6484
<211> 417
<212> DNA
<213> Glycine max

<400> 6484

tctatagaag gttcgttcct aattttctcta caattgcctc acctctcaat gagctggtga 60
agaagaatga ggcatttact tgggggtgaaa gacaagagca agccttttgct ttactcaaag 120
aaaagcttac taaggcacct gttctagctc ttcttgactt ttctaaaact ttcgagctag 180
aatgtgatgc ctctatagtg agaattggag ctgtattggt acatgggttg caccctattg 240
cttatttttag tgaataactt catggtgccca ccctcaacta cactacctat gataaagagt 300
tttatgcctt aataagagcc ctccaaactt gggaaaatta acttgtctcc aacgaatatg 360
tcattcatag tgatcatgaa tcaacttaag tacattagag ggcaaaacaa gttaaac 417

<210> 6485

<211> 473

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6485

gacctataaa actcagcttc tttaaaaact tattgaaata agctaaaaag aacttgatg 60
aaggtcataa gtcatttata tatatccaaa tcagcttcat tgaagctcta cccaaacccc 120
ccctagataa ttaatctaata ttgtacagag gaatgaagta cctttgccct gtgttgtaaa 180
agcaaacttg tttcaacact ctacacacatt ccagaggtgc tacttgtttc cttctgccgt 240
gagctaacct ataaatagag atactacaaa aaccataaaa tacaatgcaa acacttacat 300
tgttatacca atgttgcata aacttaacca taaatgatat ggacaaacaa aatatagagt 360
tctttgatgg agtaaaaaca agtgacagat ttcaagcata cggagttcta tgatctgaag 420
aanacacata ttccaattga taatatgatt attatcaggt tggctcatga cta 473

<210> 6486

<211> 436

<212> DNA

<213> Glycine max

<400> 6486

agcttctgcc atggtatcta atcgaggggg actagctgga agacgaggtc gccctcaatg 60
ttcttactgt aagagagtga gccacacaca aaacacttgt tattgtattc acggattctc 120

cgaataatcg gtgaatatctt caaagtctga aacatctaag ataaagtttt cgaaggctaa 180
ctatgaagag tatctccacc caaaagctgc caataaatct ctaacatcat ctactataag 240
tggtcataac tccactgcct gcatttccca atctggtaat aatcaaagtc catggataat 300
tgattcaggt gcttctgata atattgctgg taatagttct ttattttcat tcctctctcc 360
ttctaaaatt cctcatttca ttattttaac cgatggttct agagtgcagc aacaagaatc 420
gccatgtatc actcac 436

<210> 6487
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6487

ctttcttctg gntgttctgc taagatttcc aagcgtaaa cagaacgaga agggattgga 60
acctcacatt tactatcttt gtgcgagaca aatttctctt gtaaaaaat tatttcacaa 120
atccaacgt tatggatgtg ggaaaatgtg ttccacactt ggtgatcaaa tttctcgacg 180
atccaacgat taatgatttt aagatcataa ttttattgga acaggtttag gtgtatgagg 240
ttaaagaaa gctccgtgcg agggacattt ctctccccac agacattatt tcataaatcc 300
caatggtaga gatgtacgaa ataagtttca aacctagtgt tcaaatttca cgataattca 360
acgattaacg agtccaagat c 381

<210> 6488
<211> 417
<212> DNA
<213> Glycine max

<400> 6488

agcttgtgat aaaatctaga gagatatcat tctatacgac ttctaggatc ggaatatggt 60
gcagcaaccc cgctggagac aacacctggt acttggtatg ttgataaacg tcacattggc 120
ggatgtactc cattataata gctttcattc tcttccaaaa gaagctggaa gacaaccgct 180
tatacgcttt cgtgaatccc gaatggccac ctgtaaccgt gtcgtgaaat tcggccatca 240
aagtaggtta ggcaacatca aacagctctt gaagaatagg aaaccatcgt gcagagtata 300
gtgtggcaga gaatcataat cagattgcaa ttgggagctc aacttgacca actcaaggtc 360

at tt t t g c a c t t c g t t c t t g a t a g c a g g g a a a t c c a c c c a a t a a g g a c t a a t g g a g a t 417

<210> 6489
<211> 432
<212> DNA
<213> Glycine max

<400> 6489

a g c t t g t a a t c g a t t a c a c a c a t a c t g t a a t c g a t t a c c a t a g g a g a t t t t c a g a a a a t a 60

t t c t c a a c a g t c a c a t c t t t t t g t g t g g t t c t t g a a t g g c t a t c a a a g g c c t a t a t a t a t 120

g t g a c t t g a g a c a c g a a t t t g a c a a g a g t t t t t c a g a a c a a a a a g g t c t t a t g c t c t t a g 180

a a a g a a a a t a a t t t t a t c c t c t t a c a a t t c c t t g g c c a a a a c t c t t g t g a t t c a a t a a 240

g g a a t t a t t t g a g t g c t c a a a t t g t t c a a t c t a t c t t t t t a t a g a g a g a t t t c t t c t t c t 300

c t t c t t c t t c a t t c t g a a a a g g g a t t a a g a g a c c g a g g g t c t c t t g t t a t g a a a g g a t t c 360

t a a a c a c a a a g g a a g g a t t g t c c t t g t g t g t t t a g a a c t t g t a a a a c g a a t t t a c a a g a t 420

a g t g g a a c a c t c 432

<210> 6490
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6490

t g c t t c t a c a c t g c t g g t a t g t t g c c c c a g t g t t c t t g a g c c c a a a g g a c a t c a c c g t a t 60

a g c a g a a a g g t g c c c a c a g a g t g a t g a a g g t t g t a n t t t c c a t a t c c t c t a g t g c c a t c t 120

t t a t c t a a t t a t a g t c t g a a a a c c c a t c c a t g a a a g a a a a a c a g g g c a a a a t t g g t c g t g 180

t t a t c t a c g a g c a c a t c g a t g t g t g g t a a a g g a a a g t t a t c c t t t g g a c t g a c t c a g t c t 240

a a a t c c t g a t a g t c c a c a c a c a t t c g t a c c t t c c c a t c c g t t t t a t g g a c t g g c a c g a t a 300

t t g g t g a c c c a t t c c g a g t a c t g a g c a a c g g c c a a g a a g c c a a c a t t g a a t t g c t t c t t c 360

a c c t c t t c t t t t a t t t t c a g c g a c a t c t c g a g c t t c a t t c t c c t c a t g c t t t g c t t t a c c 420

g g g g a g c a c t c g g g a t t c a g a g g t a g t t t g t g c t a 455

<210> 6491

<211> 367
 <212> DNA
 <213> Glycine max

<400> 6491

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 tagtctactg tagtttgaag ttgctcagag cttcaacatt caatatcgag cgtttcgata 120
 tattacggga ctgaatcaga catccgagta agaagttatt gtcgtctgaa ttatctcaga 180
 gcttcggtat tcccactcga gcgctctgat atattacggg actcaatcag acatccgagt 240
 caaaagtat tggcagttga atttgctcaa agcctcgaca tgcaatagcg agcgtgttga 300
 attactacgg gactcaatca gacatccgac gcaaaggta tctgtcgttc tgatttgctc 360
 agagctt 367

<210> 6492
 <211> 371
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6492

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 atatatccag acgctcgaaa ttgaataccg aagctctgag aaaactcaaa cgacaataac 120
 tttttactcg gatgtctaat tgagtcccgat aatatgtcga gacgctcgaa attgaatacc 180
 gaagctctga gcaaattcaa acgacaataa cttcttactc ggatgtctga ctgagtcccg 240
 taatatattg agacgctcga gattgattat cgaagctcta agcaagttaa aacgataata 300
 actatttact ctgatgtctg attgaatccc gtaatatatc gagacgctcg aaatgcaata 360
 ccgaagctct a 371

<210> 6493
 <211> 365
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6493

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tctcttttgta tggcacccaa tatggggtgc anagtgggtg ttatgtgaaa tctgacatgg 120
 gttttgatga ttaccctgtt tccaagcttc aaaaccttgt gatggttgct gggcattcca 180
 ttacactat tagtagttgc ggcaaaattg ataaagagga ttcttggttt ttggagtctt 240
 atcagaagaa tccaggccaa gctgccactt ttgtgacaca cattcatgag gggattgaga 300
 ttgtggcaag ggatgaatct gctttgctgc tcttcaatgg gggagagact ccgagagatg 360
 ctggc 365

<210> 6494
 <211> 332
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6494

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 attcatattt tcctcactta gttttcttcc cttaattaat cctgttttcc tcaattagct 120
 ctgttttcct taattagtgc gctttcttga ctttatttta atcactaagc atcataaatt 180
 cattaactttt aatattctct acacaaaact taaatgatat taaagtgata attattttct 240
 ccaaaaggaa aaattatgag aaaatttttt caaaattcta ttttaattaac cccacattt 300
 attctttatt aacaggtatc atcacccctc tt 332

<210> 6495
 <211> 360
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6495

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 ttatatatga gaaatgatga ctataaatat agataattag ttgaacctaa caattttaag 120
 gatgctataa aaaaaaggga gggatgtgtg tggagaaaag taaccaagaa gaattaaaaa 180
 caattgaaag aatcaaattc ccaaaattat aattgggttaa ataataaatt aatgaataag 240
 taaccaacat gtgattagac acaaagatt aatatgttaa aattaaagtt aaattatttg 300
 aataatattt aagtttgata tattctaaat aaaaaaaaat tattaggttt tttatttgta 360

<210> 6496
 <211> 366
 <212> DNA
 <213> Glycine max

<400> 6496

taagcgggtga tcaaacttgc tctttggaac aatctttatg aacatatcag caggattgtg 60
 tagagtgcta atcttatgaa ctttgattct tctttctaac cgaatgaagt gatattctaac 120
 atctatatgc ttggttctat catgatgaac ttgatccttg gccaaacata tagcactaag 180
 gctgtcacag tagatggttag catattcttg attaattccg agatcattta tcagacctct 240
 aagccaaatt ccttcctttg cagctttagt aagagccata tatttagcct cagtagttga 300
 gagagcaacc gaaggttgaa gtgttacctt ccaactcacc aagcagccac caagggtgta 360
 agcata 366

<210> 6497
 <211> 363
 <212> DNA
 <213> Glycine max

<400> 6497

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 gcacagggtta gtatcaagtt caaccagct aagtgaacac cgaatacttc aaccagttac 120
 tttgatctta cttgtttcct tttctcattt tgcagcttac aatcacagct atcataacaa 180
 tgacagtctt catacgtact cagcggactg tggacttgat aggtgcaaac tatttattgg 240
 gttcattgta ctatactctt gtccgcctca tgactaatgg agttgcagag ttgatcatga 300
 ctattactag actccctggt gttgataagc agaaggaatt ctatctctat ccagcttggg 360
 ctt 363

<210> 6498
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 6498

tgaagggtgtg tagcccacca tcttttcata gtttatttct ggtaatgtgt ctactatcat 60

tgtcatcatt tttttctccg tcatggaggt gccacttgag ctgccaggtc tctccacctt 120
 tgggctgatt cttttgaaag attcgtgccc cttttttgca catgttctgt agttgcatcc 180
 tatccgaaga cattatactg aacttgcta acgaaggcaa ccactaggtc cttccaagaa 240
 tggactcggg aaggttccaa gttagtgtac caggtaacag ctacccgagt aagactttct 300
 tggaaggaat gtatcagcaa ttcctcatct tttgcgtatg ccccatctt tcgataatac 360
 atcttttag 368

<210> 6499
 <211> 267
 <212> DNA
 <213> Glycine max

<400> 6499

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 aatctgtacc tgctgcaagg gtttgtggtt tgtgctctc tgctgaccac catacagacc 120
 tttgcccttc catgcagcaa cctggagcaa ttgagcagcc tgaagcttat gctgcaaata 180
 ttacaatag acctcctcaa cctcagcagc aaaatcaacc acagcagaac aaatatgacc 240
 ttttcagcaa caaatacaac cctggat 267

<210> 6500
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 6500

agcttcgcac ttgataatgc agttacttga acagcgctag gcaatgacat tcatggtgct 60
 ccaagcaaag gtggagtatg gaggattgcc ttgagagtc acacttaggc aatcatgaaa 120
 ctcaactcca aactcgaaag tgaaggacac atgaacaacc ctaagcaaga acattcaagg 180
 ggctccggaa aaggaccgag aatggaggat tgccttgagg gtcctctctt aggcaatcat 240
 ggaacacaac tccaaactca aaagtggagg acacatgaac agccctaaac aataacattc 300
 atgtggcttc ggaaaaggat gagaatggac gattgccttg agggctctct cttatgcaat 360
 catggaacac a 371

<210> 6501

<211> 366
 <212> DNA
 <213> Glycine max

<400> 6501

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 ctcgacgaag aactgacaa aaacttatct tctcattctt ggacaaagta tggcaggctg 120
 ggggcaagta aattttcttc ccatcagacc ttggatgcaa ctgtgatcgt ataccatat 180
 cagctagatc ttgacgggta ttcaagccat ccttcgtctt gccttgaatg ttaaggagcg 240
 tcccaatcac actatcacia acatttttct ccacacgcat aacatcaata caatgtctaa 300
 cgtcaagatc acaccagtac ggaagatcaa agaaaatgga ccagttcttc catatgcaac 360
 tctgac 366

<210> 6502
 <211> 366
 <212> DNA
 <213> Glycine max

<400> 6502

tcttagttta agctgatgaa gatgaattcg ttgtttcttt atgcactcct ctaatgacaa 60
 tagcatcatt tctggcacta aattactggg agttggaagt catcttctca attaaattct 120
 tggcttcagc aggggtcatg tctccaaggg ctccaccact ggcagcatct atcatacttc 180
 tctccatgtt actgagtcct tcataaaaaat attggagaag aagctgctca gaaatctggt 240
 ggtgagggca actggcgcac agtttttttaa atctctctca atattcatat aggctctctc 300
 cactgagttg cctaatagct gaaatatact ttctgatggt catggtcctg gaggcaggga 360
 attttt 366

<210> 6503
 <211> 369
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6503

agcttagcag aggataggga agttctcctt agcagatgac tggcggtagg gctgtagccg 60
 aagcaggacc caatctccta cttgataatg catctcgcga tgtttgtgat ctggttgttt 120

cttcatgagg tcttgnngctt tgagcagctt cttgtgaata gtttgaaagg ttgcatctct 180
 gtcagtcaag aggctctcga cagcttcgat atttgatgtg ctggagatat actcagggaa 240
 attgaatggt ttccggccaa atgtcacctc gtagggagtt gtacccggtc ccgcggttcca 300
 cgagggtgttg tgtgaccatt ctatccatgg aaggaacttg cccacacctat tgggtcaccg 360
 gtgaacaaa 369

<210> 6504
 <211> 355
 <212> DNA
 <213> Glycine max

<400> 6504

tcagaattca atttcgatcg tctcgatatt ttttatttct caatcagaca tctgaggaaa 60
 aaagttattg tcgtttgaat ttgctgagag cttcaacatt caattttgag cgtctcgatg 120
 tattacagga cttaatcaga catccgagtt aaaagttatt gttgtttgaa tttgctgaga 180
 gcttcaacat tcaatttcga gcgctctgat attttacggg actcaatcag acatccgagt 240
 taaaagttat tgttgtttga atttgctgag agcttcaaca ttcaatttcg agcgtctcga 300
 tattttacgg gactcaatca gacatccgag taaaaagcta ttgtcgtttg aatta 355

<210> 6505
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 6505

agctttacta tgcagagaat attttatgta aataccttca tctgacttag catcaaattt 60
 tcctaagtta tcttttccat tattcaatac aaaacattta caaccaaaga tatgaagatg 120
 tgagatgttt ggttttctgc cattgaacaa ttcatatgga gttttcttta aaatgggtct 180
 tattaaagcc ctatttaaaa tgtagcatgc agtggttaacg gcttcagccc aaaagtattt 240
 tggaagaaga gtatcattta ataaagttct agcaatctct tccaaagatc tactttttct 300
 ttcaacaaca ccattttggt gaggggttct tgggtgcaaa aaaatatgct caatcccatg 360
 cttatcacia a 371

<210> 6506
 <211> 361
 <212> DNA
 <213> Glycine max

<400> 6506

ttgaggaaat tcaaacgaca ataacttttg attggttgtc cgattgtgtc ccgtagtatc 60
 tctgagacgct ccaaattcaa aacagaagct attagaaaaa tctatggacg ataacttttt 120
 acacggatgt cccattgagt cccataatat atcgagacgc tcataattga aaacagaagc 180
 gctgaccaa ttcaaacgac aataactttt gactcagata tccgattgtg tcccgttaata 240
 tatcgagacg ctcgaaattc agaacagagc tattagaaaa atcaaacgac gataactttt 300
 tacacggatg tccgattgag tcccataata tgtcgagacg tttgaaattg agaactgaag 360
 c 361

<210> 6507
 <211> 345
 <212> DNA
 <213> Glycine max

<400> 6507

agcttcggtg gttcaatttt gttcttctcg atatattatg cgcttgaatc tgacatctgt 60
 gtaaaaagtt atgaccattt tagtttatcg ggagcttccg tttttcaatt tctgagcgtct 120
 ctatatgtga tgagctcgaa tctgacatcc gagctaaaag ttatgaccat ttgaatttct 180
 cgagtgcctt cggttttcaa tcttgagcgt ctcaatatat tatgcgcttg aatctgacct 240
 ccgtgggaaa agctatgacc atttgaattt ctcgagagct ttcgatgttc aatttattat 300
 gcatcggaat cggacattcg tgtgaaaagt tatgaccatt tgaat 345

<210> 6508
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 6508

tagctacaca cacctatcta atagctaagc tcaccttcgt agatgagaag ctagagctta 60
 gatacacacc ccctataata gctaagctca ccctcatgac aaaatacatg aaaatgcaaa 120
 aaagtcccta ctacaaagac tactcaaaat gcttcgaaat acaagactaa aaccctatac 180

tactagaatg gccaaaatac aaggacaaaa cgaaggaaaa acctattcta atattttcaa 240
agataagcgg gctcatactt agcccatggg ctcgaaatct accttaaagc tcatgagaac 300
cctagggcct tcccatggat ctctggccca atctagttgg agtcttctat ccaatgccct 360
tgcgggg 367

<210> 6509
<211> 304
<212> DNA
<213> Glycine max

<400> 6509

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gtctcatggg ccactttggg atcgacaaga ccttgtctta ctcaaagaaa atttttattg 120
gccctatatg aagaaagatg tccataagca ttgcactaag tgtgtggcct gtttacaagc 180
caagtctagg gtgatgcctc atgggctata cacaccttta cccatcccat ttgcaccttg 240
ggtagacatt agtatggact ttgtccttgg gcttcctaaa accccaagag gggtagactc 300
tata 304

<210> 6510
<211> 290
<212> DNA
<213> Glycine max

<400> 6510

agcttctata gaaggttcat tcttaatttc tctacaattg catcacttct caatgagctg 60
gtgaagaaga atgtggcatt tatctggggg gaaaaacaag agcaagcctt tgctttgctc 120
aaagaaaagc ttactaaggc accctattgc ttatttttaaat gaaaaacttc acagtgccac 180
ccttaactac cccacctatg atacagagct ttatgcctta ataagagccc tccaaacttg 240
ggaacattac cttgttttca aggaatttgt cattcatagg gatcatcaat 290

<210> 6511
<211> 300
<212> DNA
<213> Glycine max

<400> 6511

agctttgaag gacattgttt tgttggccaa caacaacaac acttgctcct cataagagag 60
 tttatcattt gcattcaaca attgacctac tagctgattg aacctgttga tgtgggtcatg 120
 gagatctcct cccatctcca ttttgagttg atacaactcc atctttaaac aaagggtgatt 180
 ggtagcgac tttgacgat agatattatc gagcttctcc tacaaggcct tcggtgttgt 240
 ctcttcaac acgttgcggt ttatctcggg agcaaaggct taccgaaata tgctcacaac 300

<210> 6512
 <211> 313
 <212> DNA
 <213> Glycine max

<400> 6512

agcttagcac ctggaattca gattctttat ttaccaacct atcgatgttg gggagagggt 60
 acacgtcttt ggggcattgc ttgatcagat aagtgtatgc agtccacact cgacattggc 120
 cgttggtttt ttttaccatc acaacattga tgagcctggt ggaaaacctg acctatttga 180
 tgaagttgct tategacttc ttctttgaag gctttatgic gctcttctcc catcttcctt 240
 ttcttctgtg atataggatt ggcctggggg cagatatcca atttgtggca aattatgtcg 300
 agatggatcc cca 313

<210> 6513
 <211> 322
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6513

agcttgccaa ttgggaagac tgttcgttat ctcttngat gggattgaac cccaatgaat 60
 gcccattga gcaaagcacc accacatgca ggggtaacaa gaaccttgtc atggacatgg 120
 ctgagcactt tgttcccaaa caccatcaag ttcccatctg caacagatat tcctgcccct 180
 acagccatct ttgatgattt gatgaatcaa acacaagctc aaaaggaaat tgcagcacac 240
 agagcaccac aacctctcta ttgttgtttg ttccaaatca aatacaaatg agttaatgca 300
 acaaggaag gaaaaggaaa gg 322

<210> 6514

<211> 290
 <212> DNA
 <213> Glycine max

<400> 6514

agcttaataa ttcaatctat ggattgttac attcctccca ccagtgggtat ttaaaatttc 60
 atgagggtcat ttcttcattc agctttgaag agaatgtcat ggatcactgt atataccaga 120
 aggtcaatgg gaataagagt tggttccttg tattatacgt agatgatatt ctgcttgtga 180
 ctaatgataa gggatatgcta tatgagggtga aacaatttat ctcaaaaaac atttatatga 240
 acgatatggg aaaagcatct tatgttatag gcattaagat ccctaaaaaa 290

<210> 6515
 <211> 341
 <212> DNA
 <213> Glycine max

<400> 6515

agcttagaag aaattcaa at ggttatatct tttcactcgg atgtatgatt cagggtgtatc 60
 acatatcgag acgctcgaaa tcgaacaaca agagctctcg agaaattcat attgtcagaa 120
 cctttcacac ggaggtccaa ttcagccgca tcacatatcg agacgctcga aatttaacaa 180
 cggaagctct gaaaaaattc aaatgcta at aacttttcac tcggatgtcc gattcaggcg 240
 ctttacatat cgagacgctc gaaattgaac aacagaagct ctctagaaat tcaaattggtc 300
 ataaattttc acatggaggt gcaattcagg cgcattatat a 341

<210> 6516
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 6516

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 aaattcaa at ggtcataact tttcaccgag atgtccgatt atggcgaatc acatatcgag 120
 acgctcaaaa ttgaacaacg gaagctcttg agaaattcta atgggtcaaaa cttttaactc 180
 ggatgttcga ttcaggcgca tcacatatag cggcgctcga aaaggaacaa cggaagctct 240
 cgagaaattc aaatgggtcat aacttttcac actgaggtcc gatcctggat tataatatat 300

caagacgctc gaaattaaac atcggaagct ctcgagaaat tcaattggtc atcacttttc 360
acacggatgt ccgattc 377

<210> 6517
<211> 307
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6517

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tatgcaagtt gaaagccttg gaggaaaaag gtatgcctat gttgttgtgg atgatttctc 120
cagatttacc tngtcaact ttatcagaga gaaatcagac acctttgaag tattcaaaga 180
gttgagtcta agacttcaaa aagaaaaaga ctgtgtcatc aagagaatca ggagtgacca 240
tggcagagag tttgaaaaca gcaagtttac tgaattctgc acatctgaag gcatcactca 300
tgagttt 307

<210> 6518
<211> 363
<212> DNA
<213> Glycine max

<400> 6518

tgctcgtctt gctgatattt atcatgcatt ctttttttg atgaccgacg aacaattagg 60
gatcaacttg aaacttatgt gcttcaagtg agaagaaatg cttcttttcc cacttgtgaa 120
gatgttcaaa gtttggtat gaagatggtt caaactgaga aacatttggt atttccatag 180
gtttataaac ttattgagct agctttgata ttgccggtgt cgacagcatc cgttgaaaga 240
gctttttcag caatgaagat tatcaagtct aaattgcgca ataagatcaa catgtgtggt 300
tcaatgactt gatggtatgt tacaccgagc gggagatatt caagtcactt gatgatattg 360
ata 363

<210> 6519
<211> 371
<212> DNA
<213> Glycine max

<400> 6519

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acctagaata cagaagaagc aacaacaatc aatttaacaa tattctttta acatgcaaga 120
cacaattgat tgcaacaaaa taaataagat aagggaagag agaatgcaa cacagtttta 180
tactggttcg gccacaaccc gtgcctacgt ccagtactca agcaaccac ttgagatttc 240
cattatcttt gtaaaatcct ttacaaagtc tgaaccacac aggacaacc catcccttgt 300
gttcagatgc tttaacaaa gagactcaca gtctcttaac caatctcatt gaataagaag 360
aatggaagaa g 371

<210> 6520
<211> 306
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 6520

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tggatggcct tgattttttc agggtcaca tggacccat ttctaccaac tacaaccct 120
aagaaaacta tattactaac acanaaggca cacttctcta tatttgcgta gagggtattt 180
ttcctaagga ctgaaagaac ttgcctgaga tgcctacgt gatcatctag gctcctactg 240
tacactaaaa tatcatcaaa ataaacaact acaaagctac ctatgaaatc ccttaagaca 300
tgatgc 306

<210> 6521
<211> 360
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 6521

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agttattggt atttgaattt gtcataaggt tctgttttca attacgatcg cctcaatata 120
ttatgggatt cattcggaca tccgagtaaa aatttattgc catttgaatt tgctacgagc 180
ttccgatttc aattacgagc gtcttgatat acaacgaaaa acaatccgac atccgagtaa 240
aaagttattg tcgttagaat atgcttagag cttctgtttt caattacgag cgtctcgata 300

tattacggga ctcaatccga catccgagta aaaagttatt gtcatttgaa tntgctcata 360

<210> 6522
<211> 367
<212> DNA
<213> Glycine max

<400> 6522

tgattttcca tgcagtaatg actccaaagc tttatctctc ctctctctct tatggcccaa 60
aagagatctt ctcccatcag tgttctgttc agtatcttcc cattaacatt tataatttga 120
gcatcaatta tattatcaga agctaagccg tattttctga aaattgtacc aaaccacact 180
ccactcaaat gccctccaac accaacagtg gagcaacttc cagctgggaa accatgaacc 240
tcacttttct tttcaattgc ataatagagt tctccaagtg ttgcacctga ctcaacccat 300
gcagtttctt cgtccatggt aatgggtatg gacctaaggt tgaaaagatc aatgattatg 360
aatggaa 367

<210> 6523
<211> 295
<212> DNA
<213> Glycine max

<400> 6523

agcttttgaa gacaaaattg gtgttcttta gtttttttga ggactaaatt agggattgct 60
caattatttt tatttaaaag aaattgtgtt tcctatgttt tcattgcttt ctctttgata 120
ttatatattt ggatttttta tattcttcac gacaaaagta aattatatat attccttgag 180
cttatgtcaa aagggtcatt ggcaagtctc tatcaaaagt atcgggttaaa cgatttctcaa 240
gtttctgcat acacaaggca gattttatgt ggcttggagg atcttcatga tcata 295

<210> 6524
<211> 371
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6524

tagaattaat gtcattagcc attacagcng gctaattttt ttcctataga ngnnaaaaaa 60

acgtagaata gatttggatg aactgaccct agaaatgggt tcagcaggag gagtaccaag 120
aaggtcagtt atgagatcca attggtgcac tacatttttt ccaggaaaca atggcttccc 180
actgagcatt tctgcaaata tgcattcaat gtcctcaaata tcaattgcag gcgtatactg 240
caaaagacaa ggatttgaaa ttacacacta gtgcaatact taaatatatt caacttcata 300
aatcatacac aatccccgta gaggaggatt gaagaggtaa ccgatctagt gcgtaaaagg 360
ctttgcaaaa g 371

<210> 6525
<211> 362
<212> DNA
<213> Glycine max

<400> 6525

tgtctctctt tacttgaggt atgtaagatt attatttgca gccaaatgtc ttcagatttg 60
ttagcttttg tttgtagtcg tgccatgctt caaatggagt ctttttctac aaagcttttg 120
ttggtaacct attcagcaaa aaaactgttg tgtgtgcagc ctctgcccaa aattcctttg 180
gtagcccttt gtcataaggt aagcaccttg tcatctccat aattgttcgg ttttctctct 240
cgacaatacc attctgttgc ggagtgtatg gtgctgtcaa ttgatgttca atgcctgcat 300
ctacacaaaa cttgttaaaa ttttcagagg tatattcagt tccattatcg gacctgatca 360
cc 362

<210> 6526
<211> 359
<212> DNA
<213> Glycine max

<400> 6526

tcaccgatct ctctatgttg atgatatagt gatttcaggg aatgatacta ctaagattgt 60
ccagctaaaa gagcacttat tcagccattt ccaaaccaaa gatctgggat atttgaagta 120
tttctcgggt attgaggtgg ctcaatcagg agatagtgtt gtgatctctc aaaggaagta 180
tgctcttgat attctaaaag aaacaggat gcaaaattgt agacctgttg atagccctat 240
ggatccaaat ctgaagctca tggcagatta gagtgaagtt tatcatgacc tcgagagata 300
taggcgactt gtgggaaaac tcatttatct caccattata agacctgata tctcctttg 359

<210> 6527
 <211> 320
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6527

cccgggatcc ttaagtcacc tgcaggctgc agctaacaaa ggttggttatt ggggtgaatt 60
 cctagagcaa ttcccttatg ttatcaaaca taaaaaggga aaaggtaata ttgtagacga 120
 tgctttttct cggcgtcatg cattactttc tatgcttgaa acanaattga ttggtcttga 180
 atgtttgaaa agcatgtatg aaaatgatga aacttttgga gaaattttta aaaattgtga 240
 aaaattttca aaaaatgggt tctttataca tgaaggcttt cttttcaaaa aaaaaaaaaat 300
 gggatatgcct taatgttctc 320

<210> 6528
 <211> 363
 <212> DNA
 <213> Glycine max

 <400> 6528

taagacccca gctcatatcc tcacagtgtc ttttatgtgg aacaagtgca ccagtatcag 60
 ttctctctctt agccttaciaa tcatagaagg gaggagcatg gaagcatggc tccatcgaca 120
 tggcacgttg acaaggagga tcaggagctg ttccattctc gggcttgtag agtatccacg 180
 gtttcaaccc tccaagcccc tgcgccacgt agccgaaagt agaccacgag ctctgtgacca 240
 acatatccat caagctcaag aggtaaattt ctgcccgaagc tttttggttg tgcattcttct 300
 tctctgtttg ttgataccct tcatggcttg gctggtaaat gccaacaact tctcctgtca 360
 cag 363

<210> 6529
 <211> 365
 <212> DNA
 <213> Glycine max

 <400> 6529

tctaaacttt atacaagaat gaagctctga taccacttgt tatacaagtg gtctcagata 60
 tcttaagaag gggggggggg tgaattaaga tattccaaac tacttcccca attaaaaatc 120

tatttgactt ttttttaatt gagttataaa ttcccttaac aatgaacttc ttaaataatta 180
 attcaaataa aacaatttga atatgaatat aaagcaataa taaataaagg agtttaaggg 240
 aagagaaagt gcaaactcag atttatactg gttgggccac acccttggtc ctatgtctag 300
 tccccaaagca acccgcttga gagttccact atcttgtaaa ttccctttac aagttctaaa 360
 cacac 365

<210> 6530
 <211> 307
 <212> DNA
 <213> Glycine max

<400> 6530

agcttagtaa agctaagcac tatcaatctc cttctttggc aaattttgtc taaaacatac 60
 ttagacactt cctgagcagg tacgagcagt tatgcaagtg ggatcagcaa ctttcattat 120
 cagagtaatc aagcacagcg gaaattctgc aagttgcaag tcgtttccag gatgtcaaga 180
 catctcacat gacatcagct ttctttctct gctccccctg tctccatgct cttactgcag 240
 catcttctat caactactaa tctttttcag gatggcaaaa catctcatgt gacatcagct 300
 tttcctt 307

<210> 6531
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 6531

agcttggcta aaatggacac aatttatcaa aaatgatttt ttaatcagtt ttttttttca 60
 ttttagatca attttctttg aggatataaa tttagttgat ataaaaattc gatatacttt 120
 ttataagagt tggatattaa gaaagtgaac tttctggatt acttgtgact acaacaaata 180
 taaaaagttt attaaaaaga aacatgcac accccaacta caattctcat ttctttcttg 240
 atgtacaata caatccaata caaaaactaa aattatagaa ccaataattt tactataaca 300
 tataatacat atgagaaaaa tgcaatataa tgcattacca ttaattaata actaaaaata 360
 actacaatct at 372

<210> 6532
 <211> 287
 <212> DNA
 <213> Glycine max

<400> 6532

agcttctata gaaggttctt tcttattttc tctacaattg catcaccttt caatgagctg 60
 gtgaagaaga atgtggcatt tacctggggg gaaaaacaag agcaagcctt tgctttgctc 120
 aaagaaaagc ttactaaggc acttgttcta gctcttcttg actttttctaa aacttttgag 180
 ctataatgtg atgcctctgg agtgggagtt gaagctgtat tggtacaagg tgggcaccct 240
 attgcttatt ttatggaaaa actttattat ggctcccccactaccc 287

<210> 6533
 <211> 363
 <212> DNA
 <213> Glycine max

<400> 6533

ttgaacagaa acattacttt gtctggagac atgaaaatag acacaaggaa aagatcaaaa 60
 actatatttc gaacacaagt aatatacaaa gtaaaattta gccaacctgt cattaactcc 120
 ttcaagcatc acatactcaa atagaacttt gtagttcttt ttgaagcaaa gtcctctctg 180
 aagtgtctga agaagcaact ccagcttgta ctttcgattt ataggcatga tccagtttct 240
 tacctgacat tagatttaaa tatgagcaat cctccctttc ttcccatcct tacattttca 300
 tgtctaattt caagggtgat ataccaacaa ataacagtaa agtaataaga aatttacctc 360
 atc 363

<210> 6534
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 6534

tatgctgcaa acatttataa tagaccctt cttctgaaaa accaacaaca gcagaataat 60
 tatgatcttt caagcaacag atacaatcca ggttggataa atcatccaaa tctgagatgg 120
 gtaagtcttc cacaacaaca acagcctgtc cctcccttcc agaatgttgc tgggtccaagc 180
 aagccatatg ttctctctcc aatatagcag caacaacaac aaagacaaca agcaactgag 240

gctcctcctc aaccttcctt agaagagtta gtgagtcaaa tgaccatcca gaatatgaaa 300
 ttccagtaag agacaagagc ctccattcag agtctgacaa atcagataag gcagaaggct 360
 actcagt 367

<210> 6535
 <211> 283
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6535

agcttattnC tatgttaaaa cctttttatc actgccaaaa ccgcatgggt gttcgacata 60
 gatgagacta cactctctaa tctcccttac tatgctgacc atggatttgg gtatgacttt 120
 cttttgtttg tctatgttat tgctagttat ttacttacag taaattacat aaactttctt 180
 agatttaaag aaattatacc tgtacgtctt tcttcctttt ttgacacacc tacacacttt 240
 tctttaattt taaaacatac acaaactttc ttaaataatta ttc 283

<210> 6536
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6536

ggatgcatng gtcaacttgg taaccagct ggccttgaat cagaaatctg tacctgtctc 60
 aagggtttga ggtttgtgct cctaagatga ataaatacag acctttgccc ttcaatgcaa 120
 caacctggag caattgagca gcctgaagct tatgctccaa ataatgacaa tagaccttct 180
 caacctcagc agcgaaatca accacaacag aacaagtgtg agctctccag caacagagac 240
 aaccaggac ggaggaatca accctacctc agatggaaca gccctcagca acaacaacag 300
 cagactgctc catcctgacg agatgctatt ggccaagcc gaccatacat acctccaccg 360
 atacaacaac agcaacaacc ccagaaacag ccaacagatg ag 402

<210> 6537
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 6537

agctaggagg aattgactac ctctactgag gatgttccag gcaaatttg agggatgctc 60
gagggaggct taccataagt tacttcatat ggagtcactt ggggtggtata gtggcacgtt 120
gtattataac accactcagt caagcttaga aatttgcccc attgagatag ttgggtataa 180
atgaatgctc ttaaatactg ctggagcact tgggtcagaa ctttagttcg gccattgctc 240
tgaggatgat aagttgtgct catgcgcaac ttgggtcccat tgagcttgaa gagctcttgc 300
cagaagcgac tcatgaagat tggatctctg ttggaaatta tacttttagg aaagccatga 360
agcttgcata ccatgttgat gaanagttaa gtaacacggt gggttgtgaa attgggtgggt 420
agcatgccga aatgagcttc ctttgagaag ttgta 455

<210> 6538
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6538

cttgaagagt tggaaactgt aatgcataca taaatttcat ttatatcata tcttgatctc 60
agattatcta ggactccagg aacatgctag tattcaagct ttgtcatatc atccactcca 120
cttgggtggga cttctgtatc tctatgataa atactggaag cntaacaac aacctgcaaa 180
tctcaagaca aacaagagca atgcaaaaat tcacaaatcg taaacattag aaagtttcaa 240
atatgaagtt aacttaaaaa tgtatttata gtataccaaa tacaccaaat aaaagtacag 300
acatcgtgca aaacaagaac aagtattttc aaactttcaa taagacacat atctttatta 360
tgatatgctt caaagggtcc caccggtcat tcatgtncaa gatatcaatg tactcgaagt 420
aaaccagtca gattgaaaga acatg 445

<210> 6539
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6539

ggatgcaagc ttcattgatt tatgtattta agttatcaag tgcattctatt tatcattatt 60
 gagatttagg gagaagggag attatgattt aggaggggtg atatatagta ttactcaa 120
 aaaagacatg aatttaaaat gtggaatttc ttgcctgagc aaaagcatat ggtaaagcag 180
 aatacattcc agctgctctt tccctataaa agactattcg ctcagcagca accactggct 240
 gcactgaata agcattctta atgccaataa ggaggacagc aacatacatg gagcccaagg 300
 cgtttaaaag atcttggtgc ttttactgc aataattgac gtgaaagctt cctgttagat 360
 caaatagtag caacaaaaca natgagatta aaaataacat ttgcaagctt cttgttngat 420
 cttacatttt 430

<210> 6540
 <211> 451
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6540

ggatgcaagc ttctagaaaa acaacttcta gtaaaaggaa agcatcctcc acaactgcta 60
 gtgaaaaggt aatttttagt ttaaaatata tttttgactt aaatttgtgt tttagtttct 120
 caaatttagg cacttttagt tttggtctcc ttgatagaaa tatgttcttt ttaatcactc 180
 aaattcaaga aatgataatt ttggtccctc agagactcaa agaacagatt ttaattgaa 240
 ggataaaaaa aatatattta aatttaaaga actaaaaaca tatttaaatac ttatatattca 300
 ttaaatttta ttttataaat cttaaccaac cttttataaa tattatcttt tatttgtttt 360
 tactctttca aacatccaac attagtgaag agaaagaggt ctagacaagc attacaatac 420
 aaatcagtn tgtttctctc ttatttgaca c 451

<210> 6541
 <211> 456
 <212> DNA
 <213> Glycine max
 <400> 6541

agcttatgct acaacatcta caacagacct cctcaacctc agcagcatat tcaaccacaa 60
 cagaacaatt atgacctctc aagcaacacg tacaatcccg ggtggaggaa tcatcccaac 120
 cttagatggt caaatccttc acaacagcag caacaccaac cttattttca aaatgctact 180

ggcccaagca gaccatacgt tcctccacca atccagcagc aacaacaaca acagccccag 240
aaacaacaaa cagttgagge tcctccacaa cttcccttg aagaacttgt gaggcaaatg 300
acaatgcaaa acatgcagtt tcaacaagag accagagtct ctattcagag ctttaattaat 360
cagatgggac aattggctac atagttaa at caacaacagt cccagaattc tgacagatta 420
ccttctcaat ctgtccagaa tcccaagaat gtgagt 456

<210> 6542
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6542

ggatgcaagc ttagccacac agttggcaag tgtatcagct gcttcctgtg tggatgcctc 60
agcatacaca cgaacaacat cttcagtgcc agatggctgc acaaagcatc gaccttgggg 120
gtccttagct gtaaatgcag aagaggaaag agtatcaagc tgcaatatta gtaaactgaa 180
attctgcact ttaatctttc aactaaaag gctttcatgg atggatgaaa ctgacaaata 240
tctcgcagtc agtgaaattt tgccaagcca cttggacttg ataacagtaa tagtataatc 300
ccataaacia gacaccaact tttcagaaat ataacattca attntgggtat tatttaggcc 360
tccttgcttc cctcactctg cccattcttg gtggtttcac aaataanagc aagcaagcaa 420
tgataaaacc aaaaaacaat gttgtctttg 450

<210> 6543
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6543

agctntgaga aattgagaac atgacaaaaa cttgtgacag taatatccaa gatatacaaa 60
tggtgtgttg tcaatgtacc acatttaata gtacaaacta naagaacaag aaaaacagac 120
caatttctag gcgtctcaga aaaaacttta aacaagacag ttcaccta at aagtttttgg 180
attagtagta atcatatttg tgtaaataaa tagcttacca gagttcattg gactccatcg 240
ctggaaccga aaaggagatg gtatgttgag aacagaagca ccagaaacac tgttatgcct 300

ggaaatggga agatattgcc tccgganaaa ccttggcatc caattgccaa tacatgataa 360
agcacanaga agaagaataa aa 382

<210> 6544
<211> 232
<212> DNA
<213> Glycine max

<400> 6544

tgcagctagc aagtcttctc tcaattgtgg gactttgtaa gtgtattgat ttatgtccat 60
agtttggat gtgctaattt atgttacatc acatgcttat gtattgtgat tggctcttgct 120
gcatatttca gattctagtt ttgttccacc actagtttat gctgttcttg gaagctcaaa 180
agaccttgca gttggacctg attcaattgc ttttctgtg atgggattca tg 232

<210> 6545
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6545

agcttgaaat taaacaacgg aagctctcga gatattcaaa ttgtcataac tttaactcg 60
gaggtccgat tcaggcgcgt aatatatcga gacgctcgaa attgaacaat ggaagctatt 120
gagcaattca aatggtcata acttttcaact tggaggtctg tttcaggcac ataatatc 180
gagactctcg aaattgaaca acggaagctc tcgagaaatt caaattggca taactnttca 240
ctcggaggtc agatacaggc gcataatata tcgagacgct cgaaattgaa caacggaagc 300
tctcaagaaa atcaaattgt caaaactttt cacacggagg tcagattagg cgcataatat 360
atcgagacgc ttgaaattga acattggaag atctcgtgaa 400

<210> 6546
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6546

cttgatggtg tcgagaagaa atcacatggt tgatcatcatc aattatgggg agaattgtgaa 60

tgtatgtata catgattttg atgatgccaa atattaatca aacaaggggtg cttcaaata 120
 taagcatttg cttcaagaat aattcaagag tgcttcaaca aacaaagcct tgtttcaaga 180
 ttcactaaag accaagcctt gccttaaaac aaagtgcttt caagacatgc caggctctgg 240
 taatcaatta ccaggaagtg tnatcgatta ccagaagaca tcggtgagaa atagctgatg 300
 aaaaacgttt tgaatttgaa ttttcaacat gttatcgatt accatatgtc tgtaatcgat 360
 taccagcaac gaaacttcgt gaaatcaaata tcaaaagtcn taacccttca aat 413

<210> 6547
 <211> 446
 <212> DNA
 <213> Glycine max

<400> 6547
 tcaagcttta aaaacttcga tgtcttgtat acactgtctt ctctctatgc ttttaattgga 60
 ggtaacttgt gtctttctca catataggac atgcgtggtg gcctttgacg ctatatctac 120
 tcaaattccc atatgtcgga aagtcgttaa tgggtgcaaaa aatcattaca cgcaacctga 180
 atgtctctg agcattcctg tcatacacat caacccttc taccacaaat ttcttgaggt 240
 cttcaatcaa tggagcaaga tacacatgaa tgtcatttcc tggctgtctg ggaccggcta 300
 tcatcataca catcattatg tacttccgtt tgatgcacaa ccaaggagga aggttgtaaa 360
 tcatcagcaa aataggccag gaactgtgtg tgcagctcaa gttcccaaaa ggattcattc 420
 catcgagggc gagaccaacc cttatg 446

<210> 6548
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6548

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 tggaaccttc acccgacgaa gagactgaca aaaacttatt ttctcctttt tggacaaagt 120
 atggcaggct gggggcaagt aaattttctt cccatcagac cttggatgca actgtgatcg 180
 tatgccata tcagctagat gttgacgggt attcaagcca tccttcgtct tgccttgaat 240

gttaaggagc gtcccaatca cactgtcaca aacatttttc tccacatgca taacatcaat 300
acaatgtcta acgtcaggat cagaccagta cggaagatca aagaatatag acctcttctt 360
catatgcaac tcttactttt atccttcttt gggcttncca aatatagtat ttaggtgtga 420
accgctcat atacct 436

<210> 6549
<211> 420
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 6549

tcttattttc agcagatgaa gatgaatccg tggccacatc atggagtcct ctaatgacaa 60
tagcatcatt tcttgactg aattgttttt atttggaac catcttctca atcagattcc 120
tagcctcaac aagagtcata tcaccaagag ctccaccact ggcagcatca atcatactcc 180
tctctaggtt gctaagtccc tcatagaaat attgcagaag gagttgctca gaaatttggg 240
ggtgaggaca acttgcacac aatatcttga atctttccta gtactcatac aagctctctc 300
aactaagttg cctgatgcct gaaatgtctt tcttgatggc agtggctcta gatgcaatga 360
agaanttctc caagaacacc ctcttaatgt catcccagct ggtaatggac ctgggagcaa 420

<210> 6550
<211> 213
<212> DNA
<213> Glycine max
<400> 6550

tatatctact caaattccca tatgtcggaa agtcgttaat ggggcataaa atcattacac 60
ccaacctgaa tgttctctga acattcctgt catacacatc aacccttct acccacaatt 120
tctgaagtc ttcaatcaat ggcgcaagat acacatgaac cgcacttctt ggctgtttgg 180
gaccggctat catcacac atcattatgt act 213

<210> 6551
<211> 434
<212> DNA
<213> Glycine max
<223> unsure at all n locations

<400> 6551

tgtcaagccc nccagcctgg acaggtgttg tttgggttgc tgctgtaaag ttgtccaagg 60
aggacattga tgcaatccta cccccaaggg ctttgatag aagactccaa aaagattggg 120
ccagagatgc aagagaagac cctaggggttc tcatgagcct tagggtagat ttcagaccca 180
tggtgctaaat atgagccac ttatctntgt acatattaga ttaagggtttt attatttttg 240
ggccttgtat ttaggggttc atagtgtagg gagggtagcc tagtaatgta ggattnttta 300
acccttgtat tttagttcac ttagactagt tnttgtagat ggtagtttta ataattcaca 360
tacatcaaat aatattatat ctgtatattt ataattagga atatgattgt taacgtgtng 420
aatcataga attc 434

<210> 6552

<211> 404

<212> DNA

<213> Glycine max

<400> 6552

cctcatcaaa ctacttgttt cccgagggat attctataaa cagacctccc atctttaatg 60
gagtgggtta ccactactgg aaaacccgca tgcttaatat tatagaggca atagatttaa 120
atatttggga agccatagaa caaggacctt atgttccttc tataatagcc ggaagtgcaa 180
caatagaaaa acctagagca gattggactg aggaagaaag aagattagta caatataatt 240
taaaggccaa aaatattatt acatccgcct taggaataga tgaacacttt acggcttcaa 300
attgtaaaag tgctaaggat atgtgggata caatacaagt aacacatgaa ggcacaacag 360
atgttaaaag atctaggata acactcctac tcgtgaatat gaac 404

<210> 6553

<211> 452

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6553

ggatgcaagc ttgtaaatnt ttgttatcaa agcagcttcc atatgggtgga tggngagaga 60
gttacttgtc gagccaaaac aaggtagatt tcattctttt agctttgaat atatatcccc 120
aaactatgaa gataaaataa atgaaataaa gattatacat gagaattatg ctcacgtgct 180

ttaccctgtc aaataggttt atacaaactt agaaggcaac cgtgcaaact tagttcagac 240
 ttcattgggt ttgttggtccc ttattgatgc aggacagggt agtaataaag ctctatgttt 300
 tgaattttta ccatatcata aatttaaacc tctaactcc ttaggccta tggaaaaacc 360
 ctgcaaagtg caatggctct ctagttagta aagtgcattg tacccttgt caaagatggg 420
 actattactt gaacaactta anaaatattt ta 452

<210> 6554
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6554

tgcaagctta ataagtccat ctatggattg aaacaagcct cccgcāatg gtatttaaaa 60
 tttcatgagg tcatttcttc atttagcttt gaagagaatg tcatggatca ctgtatatac 120
 cacaaggcca gtgggagcac tacaagaaaa ataacctata cctatagaca aaaactgtca 180
 ctataaataa aaaatccgta ggtaaatgta tgatagactt tgtcctacag acatttcttc 240
 tgtcaacttt aagggggcgt ataatgacgg ttaattgtct gtcactatag attctaccta 300
 ctatgtatag cgtgtaggta aaagtcatta acttctactt acattatcta actgcaggta 360
 aaagtcttta atatgaacat cacttgagac tgcaagaacc ttcttttcca ttaaccgatg 420
 ccacanaact gtacta 436

<210> 6555
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 6555

gcttgggata ctttctttta gaccaaatcc ccttcgttga acttacatgg gcgtaccttc 60
 ttgggtgaaag cgttcttcac ccggctttga tataaccatc cttgggtcat ggcgccaat 120
 ctcttatctt ctataatatt cagctgatca aagcgtgcct ggggtccattc cgactctttc 180
 agccctaact caaccagaat tctcaaagag ggaacctcca cttcaaatgg aagcacaacc 240
 tccatcccgat acactaatga gaatggagtt gcccagttg atatgcacac cgagggttcga 300

taaccatgca gtgtgaaagg gaaaatctcg tgccaatcct tgtatgacac ggtcattttt 360
tgaactatct tcttgatggt cttattagca acctcaactt cccccattca ttgt 414

<210> 6556
<211> 134
<212> DNA
<213> Glycine max

<400> 6556
ggaatgggac ctcgggtgtga aaagttatga ccatttgaat ttctcgagag cattccgtat 60
acaatttcga acgtctatat ttgtgatgct actgaatcgg acatctgtgt gaaaagttat 120
gaccaattga attt 134

<210> 6557
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6557

agcttataat atatcgatac gctaganatt attcgtcgga aactctcggg aaattcaa 60
ggtcataacg tttcacacgg atgtccgatt cgggcacata atatgtcgag aggctcgaaa 120
ttgaacaacg gaagctcttg agaaattcaa atggtcataa cttataactc ggatgtctaa 180
ttcaggcgca tcacatatag aggcactcaa aaatgaacaa cggaagctct cgagaaatnc 240
aaatggttat aactattcac actgagggtc gattcatgat tataatatat caagacactc 300
gaaactaaac atcgggaagct ctcgataaat tcaattggtc ataacttttc acacgaatgt 360
ccgattcgtg cgcataatat gtcgacacgc tctgat 396

<210> 6558
<211> 449
<212> DNA
<213> Glycine max

<400> 6558
cttgaagggtg ttaaagacat gagccattgt ggtgtagaac ccaatgaaat caccatgggtg 60
aatgctttaa tacctgcgct cgtagtagag actttgatac tggacaatgg gtgcaccagc 120
acattcgtaa ggctgggttat gatcccttca tgtccacatc taatagtaac atcattcttg 180

caactgcaat tcttgaaatg tatgccaaat gtggcagctt caagatagca agagacctgt 240
tcaacaaaat gcctcagaga aacattgttt cttggaacag tatgattaat gcatacaatc 300
aatatgagag acataaggag gcactagatc tcttttttga tatgtggact agtggcattt 360
atcctgataa ggctaccttt ctgagtgtgt tgagtgtttg tgcccatttg tgtgctctgg 420
cattgggaca aactgatcat gcttatctg 449

<210> 6559
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6559

ggatgcaagc ttctgttttc aattacgagc gtctccatat attacgggcc tcaatccgac 60
atcggagtaa aaagctattg tcgttagaat ttgctcagag cttctgttct gaattttgag 120
agtcttgata tactacggaa cacaatcgga catctcagta aacagttatt gtcgattgaa 180
tctgctcaga gcttctgttc ttaattacga gagtctcgat atattacggg attcattcgg 240
acatccaagt aaaaagttat tgccgcttga atttgctcaa agcattcgtt gtcaattacg 300
agcgtctaga tatattacgg gattcattcg gacatccgag taaaaagtta ttgtctttnt 360
atttngctca gagcttctgt tttcaattcc cagcatctcg atatattaca ggactctatc 420

<210> 6560
<211> 406
<212> DNA
<213> Glycine max

<400> 6560

ggatgcaagc ttaacataag gcatgcgaag tgggtggaat tcctagagca attcccttat 60
gttatcaaac ataataaggg aaaaggtaat attgtagccg atgctctctc tcggcgatc 120
gcattacttt ctatgcttga aacaaaattg attggtcttg aatgtttgaa aagcatgtat 180
gaaaatgatg aaacttttgg agaaattttt aaaaattgtg aaaaatcttc agaaaatggt 240
ttcttttagac atgaaggctt tcttttcaaa gaaaacaaat tgtgtgtgcc taaatgttct 300
actaaaaatt tgcttgcttg tgaagcacat gaacgaggtt taatggggca ttttgtggtc 360

caaaagactc tatacacatt acaagaacac ttttattggc ctcata

406

<210> 6561
<211> 318
<212> DNA
<213> Glycine max

<400> 6561

agcttctata gaatgtttgt tctaatggc tctacaatgg tctcacctct caatgagctg 60
gtgaagaaga atgtggcatt tacttgggga gaaagacaag agcaagcctt tgctttactc 120
agagaaaagc ttactaagac acctgttcta gctcttcttg actattctaa aacttttaag 180
ctagaatgtg atgcctctag agtgggagtt ggagatgtaa tgttaciaag agggcaccct 240
attgcttaat ttagtgaaaa acttgatgga cccaccctca actacccac ctatgataaa 300
gagctttatg tcttaata 318

<210> 6562
<211> 254
<212> DNA
<213> Glycine max

<400> 6562

tcagttttca attacgagcg tctcgatata ttacgggact ctttcagaca tccgagtcaa 60
aatttattgt cgtatgaatt ttctcagagc tttagttttc aattatgagc gtctcgatat 120
attacgagac tcaatcggac atccgagtta aaaattattg tcatttgatt tttgtcagag 180
cttacgtttt caattacgag cgtctcgata tactccggga cacaatcgga catccgagtg 240
aaaagttatt gtcg 254

<210> 6563
<211> 243
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6563

agcttgtgct attccaagtt catttaccat actattaaac cagattgctt ctttactcc 60
ttcagctagg gccatgtatt ctgcttcagt agttgaaaga gtaacaactg attgttgtac 120
caaacanagt aaacacatat cctattaaaa atttccttgc gtctacattt cctgcaaaat 180

ctgcatctac atagcctgtg attgctgcct catgtgctgt cttcttgacc ttaatccagc 240
 ttt 243

<210> 6564
 <211> 451
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6564

aagctaggca ctaacaatct ccctcgttgg caaatattgt ctaaaacata ctagacact 60
 tcctgagcag gtacgagcag ttatgcaagt gggatcagca actttcatta tcagagtaat 120
 caagcacagc ggaaattctg caagttgcaa gtcgtttcca ggatgtcaag acatctcaca 180
 tgacatcagc tntctgcttc tgctccccct gtctccatgc tcttactgca gcatcttcta 240
 tcagctacta gtctttttcca ggatgtcaag acatctcatg tgacatcagc tntcccttgt 300
 ctccatgctc ttactgcagc atcttctatc agctactagt agcttacatc agtcatcatc 360
 agcagcagca gtctccccct caaatcatg tacatacaac tccccctcaa aatcatgact 420
 catgcataca tcgtatccta cttctctaaa t 451

<210> 6565
 <211> 448
 <212> DNA
 <213> Glycine max
 <400> 6565

tgagcacgct tgcaagcctc tccttactca cttgatcagc caggatatga aacttggttt 60
 caatatgttt actcctgtca tgtgcctcac gatgcttagc taaatcaatt gcttatttgt 120
 tatccatcaa caacctcata ggactgcaat ttctcaagtt tagttctccc attaaagctt 180
 ccagccatag agcttgacag gccgccatag cagcagcaat atattcttct tcacatgttg 240
 acaaagcaac tacactctgc ttctttgagc accaagagat tggatgatgtt ccaaatttga 300
 aaacatagcc agtagtgctt ttcctatcat ccttatcacc acaccaatct gaatcactat 360
 aaccaaacac ttcttcttct atattctttt gactgtaaag acataaaatt ccaagatcca 420
 atgttccttg cacatacctc agaatcct 448

<210> 6566
 <211> 285
 <212> DNA
 <213> Glycine max

<400> 6566

actttttcact cggagggtccg attcatgctc ataatatatg atgacgctcg aatttcacaa 60
 cggagggtctt cgagaaattc aaatggacat aactttgaac tcggatgtcc gatttaggcg 120
 catcacatat cgagactctc gatattgaac aatagaagct ctcgagaaat tcaaattggc 180
 ataactttta actcagatgt tcgattcagg cgcataatat atcgagacgc tctaatttga 240
 acaaaggaag ctctcgagaa atgcaaattg tcataacatt taact 285

<210> 6567
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6567

agcttagtta cacatacctc tctaatagct aagttcacct ccttaagatg agaagctaga 60
 gcttagctac acacccctta taatagctaa gctcacccat atgccaaaaa acatgaaaat 120
 acaaaaaaag ttctactac aaagactact caaaatgccc cgaaatacaa ggctaaaacc 180
 ctatactact agaatgacca aaatacaagg cccaaacgaa ggaaaaacct attctaatat 240
 ttacaaagat aagcgggttc atacttagcc catggggtca aaatctaccc taagggtcat 300
 gagaacccta tggccttccc ttggatctct agcccaatct acttggagtc ttctatccaa 360
 tgcccttacg gngtaggatt gcactatat ctctcttgg atntgcaaag agtcgtcatt 420
 attctataat gac 433

<210> 6568
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 6568

agcttaccct tctggtttta agtgctaagt aactagcatt tttgaaccat ttgctaacct 60
 gcattttcta acacattagt aacagagttt gaacagggtca agagctgact gacttgaata 120

aagaccaaaa gcaatgcaag taacttgcag atggagatag tacaaaattt gctgtttaat 180
 acataatgtt taacaaaggt aacactacta caagacaaat tcagaatttc agattaatgt 240
 agaaacaaga tgcaactaga gactgcaagg cataaccttt tcaggatcta gtcccaactc 300
 tttcgaaaga ctgtccttca cagatcttgg aggaagctca ttctctgcaa aagcttggcg 360
 aagtttctgg catatttcat caaaaaaat taaaagacac aaattagtgc gtgtataatt 420
 at 422

<210> 6569
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6569

tataatgagt tntgtttaga ataggtctta taagtacctt gtttaaagta tagcaaatag 60
 tactcacaca atcaactcaa aagtactttg gtagcggtgt ttcatttaga agagttctag 120
 ctcttcttcc aagggatcta tttttctctc ccacaacacc attttggtga ggtgttctag 180
 ggatggaaaa gttgtggtga attccatttt cttcacaaaa catttcaaaa tactcatttt 240
 gaaattcacc tccatggcca cttctaattg aaacaatatt aagaccttcc tgattttgaa 300
 taactttgga acgtttgcga aaagcatcaa aagcttcatt ttttgtttcc aaaaacaaat 360
 tccaagtga cttgaataa tcatctatta ttaccaagcc caaactcata gtcc 414

<210> 6570
 <211> 270
 <212> DNA
 <213> Glycine max

<400> 6570

cacctctgc atgcaagctt ctctttgaga caagcaaagg cttgctctcg ttttccacc 60
 catgtaaatg ccacattctt cttcactacc tcattgagag gtgatgcttt tgtacagaaa 120
 ttaagaacga accttctata gaagctggct aaaccatgga agctccta atctcccaca 180
 ttttttgggg tggggcattc ttgcatggac ttgatcttct taggggtcaa ttggacgcca 240
 tttttaccag ctacacaccc taagaaatac 270

<210> 6571
 <211> 299
 <212> DNA
 <213> Glycine max

<400> 6571

atgggtcatag cttgtcacac ggaggaccga ttcattgcgcg taatatatcc agatgttcgt 60
 gactgaacaa catatgctct cgagaaattc aaatgggtcat aacttttcac tctgatgtcc 120
 aattcatgcg catcacatat ctagatgctc gaaattcatc aaccgaagct ctatcgaaat 180
 gcgaatggtc ataagtattc actcggatgt caaaatcacg cgcattcacat atcgagacgc 240
 tctaaattga acaacggatg ctctcgagat attcaaatgg tcataacttt tcactctca 299

<210> 6572
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6572

agcttaaagg aagtgaacga attagcatgg gcataaatgt ctccgcattg attggtaaatt 60
 ctgttcccca aattcctgaa aaatgtaaag atccaggtag attcagcata cttgttatta 120
 tagggaatag taagttcgag aatgccatgc tagatttacg agcttctgtt agcgttatgc 180
 ctctgtctag ttataattct ctatctctag gtcccttgca gtcaactgat gcggcaattc 240
 attaggctaa tagaagtgtt gcctatcctg ttgggttcat agaagatgtc ttaggttagag 300
 ttgggtgaact gattctccct gttgattntt atattttgaa tatggaagat ggattgtctc 360
 aaggatcagt tcccatcatt ctaggttagac cttttatgag aactgctaga actaagatag 420
 atgtttat 428

<210> 6573
 <211> 366
 <212> DNA
 <213> Glycine max

<400> 6573

acattcgctc attgattttt agttttacaa taaatgactt tgacctcacc ttctctctgt 60
 gcttccctta aaaaaaaca acttgatctt gaaatgctta gtcctgccat gaaaaacagg 120

attatttgaa atggaaataa ctgtttgatt atcaacaaag aatttgtgta ggctcctttt 180
 gttccatattg taaatcaaca agtatacgcc ttatccaaat agcttgattc acaactgcag 240
 tgactgccac atattctgcc tcaactgtgc tatgagccac tatgtcttac ttttttgaac 300
 tcaaagaaaa catacccgaa ccaaagttga aacaataacc tgttgtactt ttcatatcat 360
 caattg 366

<210> 6574
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6574

tactcaagct tatgctgcan acatctacaa cagacctccc caacctcagc agcaaaatca 60
 accacaacag aacaattatg acctctccag caacaggtac aatcccaggt ggaggaatca 120
 tcccaacctt agatgggtcga atccttcaca acagcagcaa caacaacctt attttcaaaa 180
 tgctgctggc ccaagcagac catatgttcc tccaccaatc cagcagcaac aacaacaaca 240
 gccccagaaa caacaaacaa ttgaggctcc tccacaacct tcccttgaag aacttgtgag 300
 gcaaatgact atgcaaaaca tgcaatttca tcaagagacc agagcctcca ttcagagctt 360
 aactaatcag atgggacaat tggctacaca gttaaataca caacagtccc agaattctga 420
 ca 422

<210> 6575
 <211> 344
 <212> DNA
 <213> Glycine max

<400> 6575

aggatttcct tttagtaggg aatctatcct tcctaagatg gagccaaacc cagtcaccct 60
 cattaagaac tagctctttt ctctctctat tgcctttagt tgaatacacc tttgtttggt 120
 tctctatttg gttcttaacc ctctcatgca tcttctttac aaattctgac ctagattccc 180
 tttctttatg tataaaagaa gtgtccagtg ggaggggaat gaggtctaac ggtgttaggg 240
 gattgaacct atagacaacc tcaaagggg actgcttggt ggttctatga acccccctgt 300

tgtaggaaaa ttctacatga ggaagatact catcccaaga ctta

344

<210> 6576
<211> 400
<212> DNA
<213> Glycine max

<400> 6576

tggtacatat agtctgaatc tcggatcctg ttaatgactt attctaaaca cttgttggct 60
gatcattaga accaacgaac tgagtgacaa acaattattt attgaagctg ctctcgaata 120
agatgacaac caatctctat atgcctgggc ctctcatgga agactcgggt tgcggcaata 180
tgaagagcag actgagtatc acaatacaac ttcatttgca aactcttcac aaaacttcaa 240
tacttgaga taatgtctga tccacatgag ctacatgta accatagcca tagatcgaca 300
ctcagcttct gcactagacc gagcaacaac cgttgggttc ttgctttccc aagagaatac 360
atcttctcca atgaagacac aatcacttga tgagatcttc 400

<210> 6577
<211> 408
<212> DNA
<213> Glycine max

<400> 6577

cagtgaagc tgtggcatgc actcgtagct tctacataag cgtcacacag gattggagga 60
gaagttgata ttatattcta atgacacttg gatttgaaac ttgaatttgt gtgttcctat 120
ttatggagcc acatctctac ttatcatgat tacagagtat tagatatggg tgagccaacg 180
catccaatag cgagggctgg attccacact aagtgtgctt aagctgcatg atgattgaga 240
agaatgaaag acatgcactc agtgtgacta tatgaagtgg caataggggtg aaccagcaaa 300
tgctcaccgg gcccccttta aagccactga ttgtgctctc ccagtacatc aattcatctc 360
cacacacgcg taaataaact taatgcatga gaagtaaaac ctgcctgt 408

<210> 6578
<211> 426
<212> DNA
<213> Glycine max

<400> 6578

tatggtgcaa acatctacaa tagacctcct caacctcagc agcaaaatca accacaacag 60
aacaattatg acctctccag caacaggtac aatctcttta tgaggaagta tcccaacctt 120
agatggtcga gtcgttcaca acaccagcaa caacaacagc cttattttca gaatgctggt 180
ggcccaagca gaccatacgt tctccacca atccagcagc aacaacaaca acaacaaaaa 240
caacagcccc agaaacaaca aacagttgag gccctccgc aaccttcctt tgaagaactt 300
gtgagacaga tgactatgca aaacatgtag tttcaacatg agaccagagc ctccattcag 360
agcttaacta atcagattgg accaatggct acacagttaa atcaacaaca gtcctcgaat 420
tctgac 426

<210> 6579
<211> 377
<212> DNA
<213> Glycine max

<400> 6579

cgcttggtga cgatcgaagc ttataggtca ttatcgtgtg gagtcacgag gttcagctta 60
gtttatatgg acaactagtc tcgggaaagg taattgcttc tggtttgat gaagagcttg 120
ccaaggaagc caaaagagct ggtatatact tgagtcgttg attatctctc ctccatacaa 180
gcattttcag ggcacaatgt tctttgctaa agtgcattc acttatgcca tttttgccag 240
tttctgtctg aaaacatagg ttagcacagg aggtagcatc catgctacaa ttgagtgttg 300
agattgatac cggtcatct gagaggtag tttatttgct tccagtaatt ctaccacaa 360
ctaaaataaa atatctt 377

<210> 6580
<211> 430
<212> DNA
<213> Glycine max

<400> 6580

agcttaaaca ttcaatttcg agcgtctcgt tatattacgg gactcaatca gacatccgag 60
taattactta ttgtcgtatg aattggctca aagcttaaac attcaacttt gagcgtctcg 120
atatattacg ggactcaatc agacatccga gtaaaaagtt attgccgttt gaattggctc 180
agaggttcaa cattcaatct cgagcgtctc gatattattac gggactcaat cagacatccg 240

agtaaaaagt tattgtcgtt tgagttggct cagaggttca acattcaatt tcgagcgtcc 300
 cgatatatta cgtgactgaa tcggacatcc gagtgaaaag ttattgtcgt ttgaattggc 360
 tcagagcttc aacattcaat ttcgagcgcc tcgatatatt acgggactca atcagacatc 420
 cgagtaaaaa 430

<210> 6581
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 6581

gagtgcctga ccgaattgat aggtccttta ggtggcagca tgttggactc cgaatccgag 60
 cacttcttgt cacgatgac tataataagg ctcttaccct ttcttgtcaa tcaaagcagg 120
 accacacttc tggggaaata atcaatttca tgactgctga tgcggaaaga gttggtgttg 180
 tcaggtggtc tatccatgat ttgcgatgg tggctctgca agaaacatta gccctgggtga 240
 tttggtataa aaaccttggg ctggcttcaa ttgctgcttt tgttgcaaca gttgttatta 300
 tgttggcaaa cgctccattg cgatcatcgc aggagaagtt tcacaagaag ctgatggagt 360

<210> 6582
 <211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6582

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 gtggctgttc ttgactctgt catcttgaag gtgtacagtt gttgcttcaa gcatagccga 120
 tttgcaaggg actttgtcat atacaatgac tccagtttca gccacattga ggctgctgtc 180
 ctttctcttg caacttctct taaagctttg tctccaaggc atagaatgat tgcacttcta 240
 gctttagcaa tcatctctga tttctccttt gagcttagag attcagacat ctttctctct 300
 cctttaagag catctgcata gccatgttga atcaagattg cttccatctt gattctccat 360
 aaccgaagt cttttcccc tgaaaacttc tctatatcat ancttgttgt tcccatcttt 420
 cttgatcttg atcctgttc 439

<210> 6583
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6583

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 ctacaacaat tgcagcaaga cccactatcc ataatgagag naataatttt gtttaaaacc 120
 ttgcatcttg tatgaaagat gttttctttt tgggtttggg ttaggtcaca agattgactc 180
 ccaatgagcc atctctccat tagaagatca ccttcttcgt aggggcaaac ctcttcaata 240
 tgctcatcac ccttggcttc accctcactt ccacctgagg aaggagaaga agtagccttc 300
 tcttgactac tgtagatgtc ttgatccac atgatcatgg ttttctttgt agtggcattg 360
 agaaagaatg tggcctttcc caatacattn taagcactta atgttactag ttctatc 417

<210> 6584
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6584

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 ttttctctaa aattaaactt aatgggcttc tagagcaaaa gagagttttt caacttcaac 120
 caaataaaga aacttcaaag cattgttctt tgtttgtggt aactttaatt acaaagcata 180
 cacatatata attaatntc aattaagaaa aatcaaatta cctcttcaaa caatgtaaca 240
 taaaagataa aacaaaccac aaaaaataat catgaaagga agagataaat ttatttccaa 300
 ccacacatat caaatattca tttaatgaat gtgaaattac aaaactaccc ctaatacaaa 360
 aactagtcta ggtgccctaa aatacaaggg ctgaaaaatc ctacatttct agggtaacctt 420
 acctatatta tggat 435

<210> 6585
 <211> 439
 <212> DNA
 <213> Glycine max

<400> 6585

caagcctctt atcttttcta tgactagcat tggcattcct gtaaaaagca gtcttctccc 60
gctgattttc atcaaagatt ctacacatgt tgatcaactg tgcaaagtta tgaataccgt 120
gataatttac catcattttt acttctgggc gaaggccatt gacaaatttc atgcatttgg 180
acctctcccc agcttcccc taataatgag gaaaatacct tacaaggttc tcaaacctcg 240
ccgcatactc tgccaccgtc atactttcct gtttcagctc aagaaactcc atctccttcc 300
tattcttgac atcttccgga aaatacttct ccagaaaagt ttgtctgaaa gtctcccatt 360
ggacaacaac accaccgtgt cctctaaaac gtgggcgagt gttctccac cagtactctg 420
cctcatctga taacatgtg 439

<210> 6586
<211> 292
<212> DNA
<213> Glycine max

<400> 6586
agcttattct atgtgattga ccaagcacac tatgatcaca aaattcaagt ttatctagtt 60
tatcaccacc taacagattt tgtttctcaa gttcatgtat tcctctttca ctaacatgac 120
ctaattctcag atgccatata ttcgagttat cactcaatgt attactagct accgatgcat 180
gtccaatagc tagcggaacc tatcagaata aacaagccat tacttttatt cttgttacct 240
ttacctatga ttaaagatcc atttgaaatc tcaacaacac catatggaat tc 292

<210> 6587
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6587

gacctataaa actcaagctt gctaccccaa gaaccatcag gaaattactt gtgaaggaga 60
gccatgaggg tgggctcatg ggccactttg ggatagacaa gaccctagtc ttactcttag 120
aaaagttcta ttggcccat atgaagaaag atgtccataa gcattgcact aagtgtgtgg 180
cttgtttaca agccaagtct agggatgatgc ctcatgggct atacacaccc ttaccattc 240
catctgcacc ttgggtagac attagtatgg actttgtcct tgggctccct agaaccacaa 300

gagttgtaga ctctatcttt gtagtggtgg ataggtttag caagatggca cactntatac 360
catgccacaa ggtggatgat gcttcccata tcttaaaact c 401

<210> 6588
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6588

agctagcttc tacactttgt gcatgtcctt catgctttac atgcctaata acacctaagc 60
actcttagta gagaatcttg gacttgatct tggattagtg gactgaacca tatctgaaat 120
tcactaatta taattagtga aattttggct ccaaaatttg gctccacaaa ttcaatttca 180
aattcaagtg aaatttgaat agaaattcaa attttcctcc aattntatgt gacacttagg 240
ctataaatag aggctaagtg tatgcatttt ttcgaacttt gatcatttga aaatgaaact 300
tcagatttta gagctctttt agaacacaaa attttgtgct cttctcttcc tctcccttca 360
ttcatctcct tcttccctca agctcttata catggcctcc tatgggtggg aacttcttct 420
agactcatct tctccttgaa g 441

<210> 6589
<211> 381
<212> DNA
<213> Glycine max

<400> 6589

tacggacctt cagtctcagc tttgacccgc tgtaaataat atgttcatga tgcataagaa 60
tacgtaatga ccaatccaat gatgatctta taatgcgcct aacataagcg atcgctattt 120
tatatatgag agaaggggaag agagaatgac aaaacctatt tatactgggt cgaccacttc 180
ccgtgcctac gtacagtcct cgagtaacct acttgagatt atccactatc tctataaatc 240
ctttatagac tttgaacaca ccttgggata catctcctt gtgttcaaga tcttccaaga 300
gacaaccagt ctcttgatta caattatcac aatctaagag acaatcagtc tcttgattac 360
aattaagtct atgagatgaa t 381

<210> 6590
<211> 406

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6590

agaccttatt tatngataa tcgatatttt tatatatatt cgcattaaca ttttaaagac 60
 tgtcttgact tttttttatg acagtaaata ctatatcttg acttgagaat ttattttgaa 120
 aacttactta aaagtaaggt caattaaata aattaagact atctctatat tattaataat 180
 caactagatt aattaacaat tatataactc aaatatccaa tgataaattt gatataataa 240
 ctacattatt aatattattg ggaaaaacaa tacaaagtca ataagttcct cgcggaattg 300
 atcatgaatt ttactatcaa cttattctta aaagaaaaaa ctttgaaata taaatcatgt 360
 ttcttcaaaa ataactttaa ctgacattaa ttgtataaaa tcaatt 406

<210> 6591
 <211> 444
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6591

tatcaaacca aagcaacttc tatctagaac aacttgaaga gctatattag aagaaatttc 60
 aattgttgaa atgtatagta agtcggtcac tagtgacag cataacaaag tcacaaatac 120
 tagtactaag ttgaagaaca tattgcagta tcgagtgttt gctgggtaca tattttcagg 180
 ttatatacct ggaggagttc cacaacacat attgcggtca tcaatatgct caacttcaag 240
 accaatgaac catgcaccaa gtgagacatc ttcattagca tatttatgca aaatcggcct 300
 gcaatcataa ttagactcca catgaaattt ctatatgtaa gagaatattc tatgagaaac 360
 atggactgat ccccgaaactg agatttccta ttatgaaaat tntaagttta tgaaaaagaa 420
 agtttcttat tgtaatcaaa tctt 444

<210> 6592
 <211> 418
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6592

actcaagcta gaatcggaca tccgtgtgaa aagttatgac cattagaatc tctcaagagc 60
 ttccgctgtt aaatttcgag cctctcgaca tattatgcgc ccgaatcgga catccgtgtg 120
 aaaacttatg atcatttgaa tttctcgaga gtttccgatg ttttaatttcg agcgtatcaa 180
 tatattataa ccctgaatcg gacctcagtg tgacaagtta tgaccatttg aatttgacga 240
 gagcttccgc tgttcaattt cgaatgtcac tatatgtgaa gcgcctaaat tggacattcg 300
 agttaaatgt tatgaccatt aggatttctc aagagcttcc gttgatcaat tctgagcgtc 360
 tcgatatgtg attcgctga atcggacatc cgtgtganaa gttatgacca tttgaatt 418

<210> 6593
 <211> 293
 <212> DNA
 <213> Glycine max

<400> 6593
 taacaaagag catgcgaaga ggggtgaagt cctagagcaa tttccttatg ttatcaaaca 60
 taaaaaggga aaaggcaata ttgtagccga tgctctttct atgcgtcatg cattactttc 120
 tatagcttga aacaaaattg attggtcttg aatgtttgaa aagcatgtat gaaaacgatg 180
 aaacttttgg agaaactttg aacaattgtg aacaaatttc agaaaatgga ttgattagac 240
 atgaaggctc tctttccaaa gaaaacagaa tgtgtgtgcc tcaatgttct act 293

<210> 6594
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6594

ctcagctatt aaacttggtc gtgtactccc caacagacat gcttccgtgt ttcaaatect 60
 gaaattccct cgccttccgc ttcctcagat ctctggaaa gtaattttcc agaaatttgt 120
 ccttgaaggc attccaagga atcacgcctc ccgttgcaac aatgaaggc ttcacgaact 180
 tccaccaatt ctggcctct ccttggagca taaatgtcgg ataagggacc ttatgtcct 240
 cgaggcaacc catgccttg aaaatcttct ccgtctcagc taaccacaac ctagcacctt 300
 ccggatcata gtctccactg aactttggct ggtggttctt acggaaaagcc atgagcccnc 360
 gatactccgc cggtccaca tcacgttctt gcaccagagt atctagcaca gctgtgatgc 420

agt

423

<210> 6595
<211> 437
<212> DNA
<213> Glycine max

<400> 6595

agctcgaaat ggtttactat cattgatgag aggtatgggg tgggtgttag tattccacag 60
tttattatca ggattctgat atcctttggg ttcacttttg tggcagcaag aaggtcctta 120
attgccccaa acatcaccat tgatacctct tgcttgccat cattcagtga gtttctgtaa 180
ccagtgcgga aaactccttt tggcaggtac gtttcatcgc ctatgccaga tttcttaaga 240
actcgttctt gaaactcaat ggcgggttca ttgaaattcc tatatttttt ggccaactga 300
atgaactctg ccttatagat ctgcataaat accttattat tgaatgcatg ccaacattgg 360
aatataaaaa ataaatagga tcacctctc acgcatatag ccaaacaact aagagttcat 420
gtatgcatat atgttat 437

<210> 6596
<211> 436
<212> DNA
<213> Glycine max

<400> 6596

actcagctta acattcaata ttgagcgtct cgtaatatta cgggactcaa tcagacatcc 60
gagtaaaaat atattgtcgt ttggattggc tcacagattc aacattcaat ttcgagcgtc 120
tcaatatatt acgggactca ttcagacatc cgagtaaaaa gttattgtcg tttgaattag 180
cttagagctt caacaatcaa tttcgagcgt ctggttatat cacgggactc aatcagacat 240
ccgagtaaaa agttattgtc gtttgaattg gctcagagct tcaacattca atttcgagcg 300
tctcgatata tgacaggact caatcagaca tccgagaaaa aagttattgt cgtttgaatt 360
tgctcagagg ttcaacattc aatttcgagc gtctcgatat attacaggac tcaatcagac 420
atccgagtaa aaagat 436

<210> 6597
<211> 406

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6597

agctntgagc caattcanac gacaattact tttacatgg atgtctgatt gagtccctgtc 60
 atatatcgag acgctcgaaa ttgaatgttg aatctctgag ccaatccaaa cgacaataac 120
 tttttactcg gatgtctgat tgtgtcccgt aatataacga gactctcaaa attgaatggt 180
 gaagctctga gctaattcaa acgacaataa cttttaactc ggatgtctga ttgagtccctg 240
 tcatacatcg agacgctcga aattgaatgt tgaagctctg agccaattca nacgacaata 300
 ancttttact cggatgtctg attgactctc gtcacatc gagacgctcg aaattgaatg 360
 ttgaagctct gagccaatta aacgacaata actgtntact cggatg 406

<210> 6598
 <211> 462
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6598

tctagcacac tccagacatc ttcgcacana tccaacggt cagatcttgg aaaggtgtct 60
 tttgaagttg caaaccatat ttcgagacga tccaacggt aaagaaggct gggcagcatt 120
 tttaccgagg aagctccatg tagttttctc tagaagcttc attaagaggc ttctagcaca 180
 ctccagacat cttctcaaag atcccaacgg tcagatcatg gacaagtgtc ttgtgaagtt 240
 gcagagcaaa gttcgagaag atccaacggt taatgaaggc tgggcagtgt ttttaccgag 300
 gcagcttcat gtagctttct ctagaagctt cattaagagg cttcctctag aagcttcctc 360
 gtggcttctt cgagaagctg tctcaagagg cttctttgag aagctacatc cttatctatc 420
 cacnctcta ttaactaaat taacttcctt caaaattatt ac 462

<210> 6599
 <211> 449
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6599

ctcacgctgt ggactgagga caacttgtgc caaccgcgaa atagatgttg agatcagcgg 60
 aaacacgaat gacacctttg ttaaaatcaa catgtgtaaa gatcaaaggc tggccttggt 120
 aaccatcaac tgctacaaca tcaagagggc aatctgcacc tgtgcttgtc atatcaaggc 180
 cacctaaatc cggggaagcc ggaacgatgt aataactcga acgagctcga actatctttc 240
 ctgatgtgtc cagcacttgc tcaggtgcac gacctgtgc accaataata gcctttgtgc 300
 tcacagcaac tataaggacc aatgttacca atgtcatctt cattgttcta gttttagtta 360
 tgtgtttttg caacttgtga tggatatgga agaagaggga gattatatct acgttcngaa 420
 ttggtgtaat ccatgtaccc atgtgcaca 449

<210> 6600
 <211> 486
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6600

agcttggcct cagggcaatt ccctcctttc acgccaaatt actttgctga tcctgaaatc 60
 aatgaaatgc tattagaaat tatatacaaa ataaatcaca gtttaatttt tttataaaact 120
 cataaatata atattttaat agtctacatt catcattcca ttccatgtgt acaacaatt 180
 aggctacatt aaaattgtag tcccccttaa ttttaaaatt gtaattntga tcccttattt 240
 ttaaatcaaa atatttagtt tttttatttt aaaaaataaa taattctaatt tntttttcat 300
 tagttgataa tttaaagtca aatattaact ntgatgtgac atattagtga tgttgaactt 360
 atataagcaa ttgacatgag actatgtgaa anaagaatta aataaagtga ataataaaaa 420
 aatattntaa taggaattga actcataact atttatttat agataaaaata aaaattacta 480
 attcac 486

<210> 6601
 <211> 429
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6601

aagcaattaa actaactaaa ttaaagtcta gaaaaataga aataaaaaga gacctgtgtt 60

gcctccccgt aagcgctcgg ttaatgtcat tagcttgacg catcgctctg ttatcctgga 120
 ttgaagcgta gaatactgtt caatctctca atagctccac catgatattg ctttagcctt 180
 tgtccgttca ccacccatat gacgatcaca aagnctcact gcttcatatg ttcggacttt 240
 cttgatggta aatgggtctag accatttcga ttttaagcttn ccaggacaca atttaagtct 300
 tgaggtgaac agcaacactt gttgtccttg ttgaaaatcc ctcttgagca gttctctatc 360
 atgatactct ntacattttt ctttgtacaa ctgtgaagat tcataagcag ttacatttat 420
 ctcttcaac 429

<210> 6602
 <211> 400
 <212> DNA
 <213> Glycine max

<400> 6602
 gatgatatgg tcttcaccga cgataggatc atattgggtct ataaagaggc aaatctgatc 60
 atcatgcttt gatacatgcc aaagaacaac tagggcgaaat gaagagggtg agaagagggg 120
 agaagcccat gttgtgactg ccattcctat agagctagag taatgcgttg catgttgatt 180
 tatactgggt cgagcacttc cgtgcctac gtgcagatct caagcaaccc acttgagata 240
 ttccactctc tttgtgaaac tctttttaca aagtctgaac cacacaggga caacccttcc 300
 cttgtgttca cgaatcctct acaacaagag acccacggtc tcttaatccc tcttctgaag 360
 taagaagaag agaagaagag atctctctta ttagagatac 400

<210> 6603
 <211> 454
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6603

agcttctctc ctagctacat ggtgcgttng caatgataga agctaggcga tcttgcagaa 60
 aaccttggac tatgcttgtg gagctgggtc tgaatataac cctctccgct aaaacgggtc 120
 ttgtttccag cccaacaccg ttagggccca ctgtaactac gccgtgaaca gctacttcca 180
 aaggaagggt caagggtcct gcgactatgc gggaacagcc actgttactg catctgacct 240
 cagtaaatcc ttcaatctct cttttctttt tctttgtttt ctctcttagc atttatctct 300

tggaacaata atcgtagctg acccttttat ctgtttctct ttntcttgat gagcaggctc 360
 tggcggtact tgtgtttaca cttctagcgt caggtatgta tntgtatttg atccacccat 420
 catcaagctt tcttctgggtt aatatgctaa tctt 454

<210> 6604
 <211> 486
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6604

nntgtctcaa gtattcaa at ctgactcttg gaagtgcctt gatcagaatg tcagcacttt 60
 gattctctgt ttgtagtac agtaacttca cttctccttc cctttgaact tctcttagaa 120
 gaaaaagctn tatcttgaaa tgcttagttn tgccatgaaa cactggatca ttagcaattt 180
 agattgcagc ctgggtgtcc acaaaaatct gtgtgctttc ttcttggttc atatgcaa at 240
 ctgtcataat tttctgatc caaagagctt gattcactgt agcaacaata gctacatact 300
 ctgcttctgt agttgattga gctacaactt cttgctttnt aaaacaccaa gaaaagactc 360
 cagaaccaa ggagaaacaa taaccagagg tgcttctcat gtcatacaata caacctgtcc 420
 agtcactatc agaatatcca tggagcttan attatgagaa agagagtaca tataccatag 480
 tctaaa 486

<210> 6605
 <211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6605

agcttagtta cacatacctc tctaatagct aagttcacct ccttaagatg agaagctaga 60
 gcttagctac acacccccta taatagctaa gctcacccat atgccaaaaa acatgaaa at 120
 acaaaaaaag ttcctactac aaagactact caaaatgccc cgaaatacaa ggctaaaacc 180
 ctatactact agaatgacca aaatacaagg cccaaacgaa ggaaaaacct attcta at 240
 ttacaaagat aagcgggttc atacttagcc catgggctca aaatctaccc taaggctcat 300
 gagaacccta gggccttccc ttggatctct agcccaatct acttgagtc ttctatccaa 360

tgcccttacg gggtaggatn gcatctata

389

<210> 6606
<211> 383
<212> DNA
<213> Glycine max

<400> 6606

agcttgaggg aaaacttgat gccttgggtca acctagtaac tcaacttgcc ataaatcaga 60
aatctgcac ttcacctatt actgttgcaa gagtctgtgg tctatgttct tctgctgac 120
accatacaga tctctgtcct tctttgcagc aatctggagt caatgagcaa cctgaagcct 180
atgttgcaaa cattcataat agacctctc agcagcaaaa ccaacaatag cagaataatt 240
atgatctttc aaacaacaga tacaatccag gttagaggaa tcatccaaat ctgagatggg 300
caaatcctcc acaacaacaa cagcagcaac aataacagcc tgtccctccc ttccagaatg 360
ctactggtcc aagcaagcca tat 383

<210> 6607
<211> 424
<212> DNA
<213> Glycine max

<400> 6607

tatctgagtc cactctttat gtgaaatata agggaaataa ctttctcata gtttctctct 60
atgttgatga tcttttagaa actggagatg atgcaaggct agttgaggag ttcaagcaag 120
aaatgatgca agctattgaa atgactcatc ttggtctcat gacttatttt cttggaattg 180
agatcaagca aagttaaaac aaagtgttaa tctgtcaaag gaaatacaca aaagaaattt 240
tgaagaagtt tcaaatggag gaatgcaaat ctattagcac accaatgaat caaaaggaga 300
agttcaacaa ggaagatggt gctgataaaa ttgatgaagg atattatagg agtttgattg 360
aatgtcta atgtatctact acaataaggt cagacattct atttgttgta agtctcttgt 420
ctcg 424

<210> 6608
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6608

caaacgacaa taactctaga ctccgatgtg cgattgtgtc ccgtaatata tcgagatact 60
agaaattcac aacagaagct cttataaaaa tcaaacgacg atgactttnt acacggatgt 120
ccgattgggt cccataatat gtcgagacgc ttgaaattga aaacagaagc cttcaccata 180
ttcaaaagac aataactttt tactggaatg tccgagttag ccccataata tatcgagacg 240
ctcgtcattg aaaacacatg ctcagaggaa cattcaacga caataacttt tgactcaaatt 300
gtgcggttga gtccccgact atatccagac gtcgtaatc gaagacagaa gctctgagga 360
aattcaaac 369

<210> 6609
<211> 353
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6609

agctntgcgg gttataatga atgatggcta tggctctgctt gaaaatttga tgcacctgcc 60
tactttacaa tattaatttt ataatgtaat ttggatacat attctttttt catgtgggtg 120
gttttgatgc cactatgcag gcatatactg aaacttccgg aaacctgaag ggcttaccac 180
aaggtataat acaagctact tcagatcttg agttaaggca tttatggtcg ccaagtaatt 240
tgaggtcaaa ggtcagcatc ttttgcaatt tatttatattt acattatata gttctattta 300
aatcgataga tgatgaccga atntgtaaac tacaagcggc acgtcatcaa tta 353

<210> 6610
<211> 359
<212> DNA
<213> Glycine max

<400> 6610

caagcttatc gacttctgtg tagattcatc atctggggac atcaattatg cagacttagt 60
actttcccca atcgatgccc ttatcgttta catttggact tctatgatac catgtctttg 120
taacaatcac aatccaacaa tgtctatgct tctgtatata caattgatac aaaatgggta 180
tccccagat cattttactt tcccatttgc actcaaagca tgtttgtgcc attgctgatc 240

aacattgtgg aaaatgcatt cattgctgca tagtgaaatc tgggtttgaa gctgatgcct 300
 atactgctac tgggttactg catatgtctg tgtcatgtgc acatctgaac tcacgactc 359

<210> 6611
 <211> 311
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6611

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 taaaggaatc gggttgggag tgtggtatct tgaaaagtcc ctagccggat gggtataatc 120
 tcaagtttat caaaaacttt tgagatttat tgaaggtgga tgtgaaacat gttttggatg 180
 aattccattt acatggaatt attccaagag ggtccaattc ttcttttata tcccttatcc 240
 ccaaggtgac caatcctctc aactcgggag agcttagacc aattntcttt ggtggattct 300
 atgtataaaa t 311

<210> 6612
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6612

ctccatgaat agcctccaat caaaggctat gcttattatt tcattntact tcattttctt 60
 ccttatgatt cccacatata atttaagtaa acatgcggaa gacaggatga acgcgtagct 120
 attagcagtc acagactcag aatattgtaa aaaccttctt gataatagca ttgaaatgag 180
 gataaaataa gtataaaagt gaagctcaca aaggaaaaat aagaattaac caaatatacc 240
 tgaggatcaa gaggatcagc ctgcgcgagaa acaagggtttt gtaagctaata aatcacatta 300
 gtagctgcc tcaagggtc tatagaaagt tggggaagag ctgcatgacc tccctttcct 360
 cttattattg cttcaaatac accacttctt gccgataatg gaccacacct agaggccact 420
 ctcactactg gaatgtcagg cgtcacatg 449

<210> 6613
 <211> 399

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6613

 agcttgngca atagtcccca ctaccatcac ctagatatat catcctctnt ttaccctctt 60
 ccaaaattga atcttggatt ctatctatga ttaaaccctg aaatgggttaa aaatttaata 120
 agattttata accataataa ttggtcacaa gattccaaat gatagaaact tcaaaattga 180
 tatgagtaaa tgcattgttg gtttgactct tcagaattga ttataattac ataattaatt 240
 ttgaatatat tttaatatgt tttatttatt aagaagaatt cagaattgat tctaaattaa 300
 aataactttg aatagttggt acatttaatt caaaattcta tattgacatt tatttgtaac 360
 ttgattctat ataaagtatc caaacataat atacataat 399

<210> 6614
 <211> 388
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6614

 tgtacaatta aacagctctc attagaagct gatccaaact taccctaaaa cttggattgg 60
 gtagaacaaa tcaacagtca tagaaacaca catgatgagt tggcattctg caaccacatc 120
 ataacatgag atgagtcatt agttgcttct attggaatgt tcacaacaag aagagcatat 180
 aatttgaggg acttgaagcc taagatngac cgaagaacga ttacattaat aatcacctta 240
 tcatatgcca tgcgtgcatt tgggtcagag agaattggaat aagctttgtc gagtatgatg 300
 gccatgtcat ggccagcagg gccagcaatg tcatggtggc agcgcttctg aagagagcga 360
 tacgccactt tgacctgtga ctgatcac 388

<210> 6615
 <211> 457
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6615

 ctaagctaag agtcttctag taaagaaatc actggtagca gtaaaattat taatcagcta 60

tatatcacgg gtgatattaa ataaactgcc taattataaa ttatttcatg cattgggctg 120
 ataatagcag taaaatattt atactcaaaa ccgaggcggt caagttcaat gaagttaact 180
 acttcagtac ttcatatatg ggacgcagta tatataaaat ggatacttag ccaaaaagat 240
 taattagtct aaatatattt aacattttat attttaaagt gatactttnt aattaacaat 300
 atatatatac tcatttcttc ttttaaattg atactttcta attntatttg attacactta 360
 cttaacttct tttacagatt ttgaaaccag ctttcacaat aatagctgat cacgagatga 420
 aatgccttnt gttattgatt cgtggcacac atagtac 457

<210> 6616
 <211> 435
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6616

agcttgcan a ctaagtgact actnttcttg ctttcaaate ccattgcttt atccatgtac 60
 acttcttctt caagatcccc atttaagaat gttgttttca catccatttg atgtaattct 120
 agatcaaaat gagctactaa ggccatgatt atcctaaatg aatccttctt agagaaagga 180
 gaaaagggtt catgataatg aataccccctt tttgagtaaa gcctctgggt acaagtctag 240
 ctttatactt ttcaacatta cctcttgagt ctctcttggt tntaaaaacc catttacact 300
 atagagactc cttttcataa ttctattacg tcccacactt ggatttttagc catagattcc 360
 atntcttcat tcatggcttc ataccataat ntagaatcat ctctactcat gacttgtgaa 420
 aactttaatt gatca 435

<210> 6617
 <211> 432
 <212> DNA
 <213> Glycine max
 <400> 6617

agcttgtatt ccagagaagt ggtaagaaca ctatatgata ctaaaaaaca gacatatgat 60
 agtaatagct ttatgattta tcctttctct ctgttaacct taaaatatcc acgagaggac 120
 atatctggct cagtatattt cttgaatttt cagtctctag ttgcacaaga ggaacttttc 180
 ttgtgaactt taactgtaaa agagaccctc acatactcag caaacatgag gctttcttct 240

aaaatgacca aagaagagat agacaaagtg gtggaagaaa ccatagtgga aatgggtctg 300
gaagattgtg cagatactac gattggaaat tggcattgta ggggtattag taatggtgaa 360
aagaaaagac tagcattggc cttgagattc tgacacaacc atatgtccta cttcttgatg 420
aacctactac tg 432

<210> 6618
<211> 408
<212> DNA
<213> Glycine max

<400> 6618

gagcttactc ttctattagc tagatgtaat gcactataac catgtttgca tataaggatg 60
atttgtgatt gtcaacagct tttatgaata agatatgata tgtgcttcat atgtcacata 120
tgatacatgt ccaatacaat gatacaattg ttctaaaaat atataagata tgatgcttgt 180
gaaactcata gaacatgatg aatatataat tgcaattcta caaatctaga ctaagaacat 240
attcttgaac attactaaag ttataaatca cttgctgtgg tctataaata agaatagtac 300
gaatcttgtt cctttattga aatcatctat aaagggcaca acttgcctt ttagttagtc 360
aagctactat gcttctataa tatagaacat agatactgtt atatctca 408

<210> 6619
<211> 323
<212> DNA
<213> Glycine max

<400> 6619

tctttcgtct ttattttcta gcgtctcgat atattatggg actcaatcag acatccgaga 60
agaaagtat tgatgtttga atgtgctggg agcttccatt tcttttttcg agcgtcttga 120
tatattaccg gactcaatcg gacatccgag taaaaagtta ttgtcatttg aattttcctg 180
ggtcttccat ttttaatttc gagcgtctcg atatattatg ggactaaatt ggatatacta 240
gtaaaaagtt attgtcgctt gaattttcta cgagcttccg attttaattt cgagcgtcat 300
gatataattac aggactcaat cgg 323

<210> 6620
<211> 381

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6620

tganattgaa caacggaagc tctcgagaca atcgagtggc cttaaattnt cacacagatg 60
tccgattcgg ggaaataata tatcgagacg cacgacattg aacaacggaa gctctcgaga 120
aatttgaatg gtcataacat atcactccga tgttccagcc ggcgacataa attatcgaga 180
cgctcgatat cgaacaaccg aagctctcga caaatgataa tggccgtaac gtttcacgcy 240
aatgttctat tcggggacat aactcatcta gacgctccat attgaacaac ggaagctctc 300
gagaaatttg aatggtcata agaattcaca cggatgtccg attctggaac ataatatatc 360
cagacgatcg aaattgaaca a 381

<210> 6621
<211> 372
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6621

agctntgagc aacttcaaac aacaataact ttttactcgg atgtctgatt gagtcccgta 60
aaatatcgag acgctcgaaa ttgaataccg aagctctgag caaattcaaa cgacaataac 120
ttttttactc gggtgtctga ttgagtccg taatatatcg agacgctcgg acttgaatgc 180
cgaagctctg agcaaattca aactacaata actctttact cagatgtctg attgagtccc 240
gtattatata gagacgctcg gtattgaatg ctgaagcttt gagcaaattc aaacgacaat 300
aactttttac tcggatgttt gatagagtcc cgtaatatat cgagacgctc gaactggaat 360
accgaagctc tg 372

<210> 6622
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6622

gaccttaaat ctaagcttcg atcaacttgt tctttnttca atttttgatc aaggagaaag 60

ttggtgagtc ccccatacca ttgtcttgat gcttggttaa gtccatagag agcttcttaa 120
gcttatcccc atgagtagga gttttatgat cctcaaaact gggagattga gaaacataga 180
cttctctctc aatgtattct tttagaaaag cactcttcac atccatttgg tacacgtaa 240
aatccataat acaatcaaat gcaagcaata atctcacaac ttctaatacta gctattggag 300
cataagtttc accaaagtct atgtgctctc gttggttata acctctggct actagcctag 360
atttattcct agatatcaag ccatgttcat ctagcatatt t 401

<210> 6623
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6623

cgaccataac tttntactcg gatgtttgat tgatgctcgt aatataatcga gacgctcgaa 60
attgaatgtt gaagctctga gccaatataa acgacaatga ctttttactc ggatgtatga 120
ttgagtcccg taacatatcg agacactcga aattgaatgt tgaacctctg agcttattca 180
aacgacaata actttttact ccgatgtctg attgagtcct gtaacttatc gagacgctcg 240
aaattgaacg ttgaagctct gagcccatc aaacgactat aactttttac tcggatgtct 300
gatcgaggcc cgtaatatat cgagacgctc gaaattgaat gttgaacctc tgagccaatt 360
caaacgacaa taacgtgttt ctccgatgct tg 392

<210> 6624
<211> 411
<212> DNA
<213> Glycine max

<400> 6624

agcttcaaca ttcaatttcg agcgtctcga ttattacggg actcaataag acatccgaga 60
gaaaagtatt tgtcgtttga attggctcag agcttcaaca ttcaatttcg agcgtctcga 120
tatattacgg gactcaatca gacatccgag gaaaaagtta ttgtcgtttg aattggctca 180
gagcttcaac attcaatttt tagcgtctcg atatgttacg ggactcaatc agacatccga 240
gacaaaagtt attgtcgttt gaattggctc agagcttcaa cattcaattt cgagcgtctc 300
gatatgttac gggactcaat cagacatccg agataaaagt tattgtcgtt tgaattagct 360

cagaggggtca acattcaatt ccgagcgtct caatatatta cgggactcaa t

411

<210> 6625
<211> 349
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6625

agcttatgcc atcaaatata aaatattctt attnggatga tagcaaaagt tttccagtaa 60
ttatatctgc ctcccttggt gatgagcaag aggaggagct gttatctggt ctcaagaagc 120
attagaaggc tataggctgg accctgatag acatttctgg tattagctca tccacatgta 180
tgcacaaat aaatttagag gatggggcta aaccagtaag atagccacag agaagactca 240
accacagat tcttgatgta gtgaagaagg aggtaaccaa gctnttgcaa gctggaatca 300
tttatcttat ctccgacagc caatgggtga gtcccgctcca ggtagtccc 349

<210> 6626
<211> 320
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6626

agctntctgt agatcaatgt ctgaatgcac atgctgacgt ggagtaaagt tcaaagggtc 60
cctatgcaa tgcggctggt tatttgatgt atgctatagt ctgcactaga ctatatttgg 120
cacatgttgt aagccaagtc tacaatttta tgtctaacc accgatagcga cattgggaag 180
tagtgaagtg gatcttgagg taccgaaatg gtacaacaag tcatggtatt atgtctggta 240
gttagcaagg cgatccttta gttgcgagat atgtggattt tgactatggt ggtgatctgg 300
atgacatgag gtctacaaca 320

<210> 6627
<211> 290
<212> DNA
<213> Glycine max

<400> 6627

tttgcaagcc agaattcttt atcctatctc cgatagccaa tgggtgagtc ccgtccaggt 60

agtcccgaag aagactggcc tcacagtgat cagaaatgag aaggaggagc tgattcctac 120
 tcgggtgcag aacagttgga aagtctgcat cgactataag aggctgaacc aggttaccaa 180
 aaaggaccat tttcccctgc cattcattga ccagatgctt gaacgcctgg caggtaaadc 240
 ccactactgt ttccttgatg gtttttctgg ttatatgcaa attactattg 290

<210> 6628
 <211> 288
 <212> DNA
 <213> Glycine max

<400> 6628

ttaactcgga tgtcttattc atgcgcataa tatatcgaga cacttgatat tgaataacag 60
 aagctctcga gaaattcgaa tggtcataac ttttcacacg gatgtccgat tcgggcgcac 120
 aatatgtcga gacgctcgaa attgaacaac ggaagctctc gagaaattct aatggtcata 180
 acttttact cgaggagaccg attcaggcgc ataatatatc gagacgctcg aaattgaaaa 240
 acggaagctc ccgagaaatt caaatgggca taacttttaa ctcagagg 288

<210> 6629
 <211> 275
 <212> DNA
 <213> Glycine max

<400> 6629

agcttgttct atccactggg aaccatcccc tgagcaagca taaaaatgga aaaatatgag 60
 tcccaaagta ccaaaatccc tgcggatata tgaagctcat gttggaatta gtggttctga 120
 gccaaaaata tcttcattca atgatttcac agacaagggt tccccctca tttctttggg 180
 ttggaatttg taactaatca attatacata tcttccatgt ctatatattg taatgggctc 240
 cattgaattt ttacttttat tatatgcaca atgca 275

<210> 6630
 <211> 304
 <212> DNA
 <213> Glycine max

<400> 6630

taataactcaa gctttctatg gttttttgtg taggacaccc tcatgggtgt taaagccccg 60

agaagacctc accttatgac ctgaagtggc acaacaaacc actgagaagc taaagttgat 120
ccaagaaagg atgaggacta cccagagtag gaagaaaagt tatcacgata agaggagaaa 180
agacttggaa ttcaaggttg gtgatcatgt attcttgaga gtcactccat ggactggggc 240
tggtcgagca ttgaaatcct gaaaactaac acctcgctct atcagctctg tccaaattct 300
taaa 304

<210> 6631
<211> 275
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6631

agentanctg atttgagcgc gactcggaag taaaaatggg agaagatatc ataccgcaag 60
tttghtaagtt taaatatatg ggatcaatac tacaaaatga tgggaaaatt aatgaggatg 120
tcacacagag aatgcaagca agatggctga aatggagaaa tgcacaaagg ttattttgtga 180
ttgcaaagta cccaccaaac ttaaaggcta attttatcgt attgctatac atccactatg 240
ctctatggta gtgaatgtta ggctttaaag ggaca 275

<210> 6632
<211> 283
<212> DNA
<213> Glycine max

<400> 6632

ttgatttcct ttgtttctgt gactcttctt ttctcatgtg cacccaaacc caatctccgg 60
gttcgaagac aaccttcttt ctccctttgt tggcttggtt agcataactt ttatttttcc 120
tctcaatttg atctttgact cctcatgaa gcttcttcac atagtccgc tttgcttgac 180
cttctttatg cttaaaaaca gaaacattat gcataggcaa aagattaagt ggagttagt 240
ggttaaaacc acaacaact tcaaaaggag aacaattagt ggt 283

<210> 6633
<211> 287
<212> DNA
<213> Glycine max

<400> 6633

tatgctgcaa acatttatta tagacctcca cagcagcaaa accaacaaca acagaataat 60
tatgaccttt caagcaatag atacaatcca ggttggagga atcatccaaa tctgagatgg 120
acaagttgat gtgacacctga ctaggagtgg atcgcttgat acaggctacg aagattttgg 180
atgatgccac ttccaatgaa ggaagataag tcagggtaga cgccacaagg attaccttga 240
taagtctgag attggttcaa caaggaaccc agagagaagc tctcacc 287

<210> 6634

<211> 277

<212> DNA

<213> Glycine max

<400> 6634

agcttctttt ttctgggtcca taaggtaatc tattataggc aaagggtact tgttcttaat 60
cgtcacctta ttcaactggc ggtagtctac acacaacctc atggctctat ctttcttctt 120
tactaacaac actggtgctc ccattggaga tacactgggt ctcaaaaact gcttctccaa 180
aaactcctct aactttttct taagctcggc taactctata ggagacatcc tataaggggc 240
tatggatata ggtccagcac caggtaccag gtctatg 277

<210> 6635

<211> 274

<212> DNA

<213> Glycine max

<400> 6635

agcttgctat ttctggaagc tcctaataatc tcccacactt tttggggtgg gccattcttg 60
gatggccttg attttctcag ggtccacttg gacccattt ctaccaacta caaacctaa 120
gaaaactata ttatctacac aaaaggtaca cttctctata tttgcataga ggggtgtttt 180
cctaaggact gaaagaactt gtctgagatg tcctaagtga aaatctaggc tcctactata 240
cactaaaata tcatcaaaat aaacaactac aaat 274

<210> 6636

<211> 275

<212> DNA

<213> Glycine max

<400> 6636

agcttttagta ttcccaataa tattaatgaa gtcataaatt ttcttggtta agagtaaaga 60

agccaaacta accgtttcac gcagggcaga tgggtttgaa gaacttaagg cagtttgaaa 120

gtgttcattg ggcacagcca tggaattcaa cacctcagca tcaattgttt catcctctaa 180

gtcaatcaca ttcatTTTTct cccggataca ctgtagtgca gcctctgtgc aaagagcagc 240

aagatctgat ccaacataac catgagtatc tctgc 275

<210> 6637

<211> 289

<212> DNA

<213> Glycine max

<400> 6637

taacatcgat ttttttatta actgatgtta agaaaagtgc ggtggcattt tcataaataa 60

gttgacttaa ttaacatcgg ttttttcaaa acccgatgtt aacatcgacc tcttaatatt 120

ggttttgaaa aattgatgtt accatcaagt acccaacatc ggttattgaa acaccgatgt 180

taactttaga aagttaacat cggtttttaa aaaaaccgat gttaacattg acatgttaac 240

attggttttg tttaagaaac cgattttgtc tcattcataa gttaaaacc 289

<210> 6638

<211> 285

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6638

ttagctntgt ccccttgctt catgnagact cgtccaaaat cgtgaagtaa acctcgatc 60

cctgtcggat acaatactgg aaggaattcc atgcaacctt actacttctt tgatgtacaa 120

ctccactagc ttctccattc tatacttcat attcaccgaa ataaaatgag cagatttggt 180

gagtcgatct attatgaccc acacaacatc atgtccacga ctagtcttgg gtaaactaga 240

tacaaaatcc atagatatgc tctcccattt ccattccgga atttc 285

<210> 6639

<211> 271

<212> DNA

<213> Glycine max

<400> 6639

agcttctgat ctaaatttcg agcatctcga tatactatgg gacacaatca gacatccgag 60
taaaaagtta ttgtcgtttg attttgctca gagcttttgt tctaaatttc gagcgctcgc 120
atatactgtg ggacacaatc ggacatccga gtaaaaagtt attgtcgttt gattttgctc 180
agagcttctg ttctgaattt cgggcgtctc gatatactac gggacacaat cggacatcag 240
agtaaaaagt tattgttggt tgattttgct c 271

<210> 6640

<211> 275

<212> DNA

<213> Glycine max

<400> 6640

agcttgtatt ctggcagcag aaaaacaagt ggttgtaac taagaagaag gaaatggctt 60
cctcaatgat ctctcccca gctgttacca ccgtcaaccg tgccggtgcc ggcatggttg 120
ctccattcac cggcctcaaa tccatggctg gcttccccac gaggaagacc aacaatgaca 180
ttacctcat tgctagcaac ggtggaagag tacaatgcat gcaggtaaga caactccaca 240
catatataca cacaagaggc accaaaaagt ttaaa 275

<210> 6641

<211> 274

<212> DNA

<213> Glycine max

<400> 6641

agcttgtgtg tttgtgacgc atgaacgaaa acacaattca tggggctccg aaaaagggtt 60
gaggatggag aattgcacta agcaatcact acgcatggct ccaagctcct ggggtggagga 120
cgcatgaacg aaaacgcaac tcatggggct ccgaaatagg attgagaatg gagaattgca 180
ctaagcacat tacggcgcac ggctccaaac tcatgggttg aggacgcatg aacgaaaacg 240
ccattcatgg ggctccgaaa aagggttgag gatg 274

<210> 6642

<211> 348

<212> DNA

<213> Glycine max

<400> 6642

tggtgagtat gcagtgaaaa atggccctga ctttgaagct atgatatgtg aaaaacaacg 60
ggataatcct tcctatagct tcctcttttg tggggaaggt catgggttact accgttataa 120
gctttgggta tcaactcgtc ccccggttg tccattcaac ccgtcttttc catcatcttc 180
catgcccattg atgcttcctc caaatccaat gatgaatctg tctcctgtaa atgtttctcc 240
gatgaaccct gcacgaattg gttcttcacc ttcgatgcta ggtccacctc ctttccaaca 300
gttctatgat caacaacacc accatcaaca tcctcagtct tttggact 348

<210> 6643

<211> 266

<212> DNA

<213> Glycine max

<400> 6643

aatgagatgt tgaagatttg aaagtgttga tggcagctca ccctctatct tgttatgtct 60
taaatccaat tcgtgaaagt tgtttgattg aggaaagaca tttgggattt gaccactgag 120
gtgggttagct tctagattca taaaagataa ccgcggaagg gttaatagtg aggatgggat 180
tgaaccgttg aggttggtta ctgagaggtc cacgaaagtg agatgtatga tgttgaagaa 240
agaaggaggg attgaccctt ggaaac 266

<210> 6644

<211> 397

<212> DNA

<213> Glycine max

<400> 6644

ttgagaaaat tcatacgaca ataacttttt attcggatgt ctgattgagt cccgtaatat 60
atcgagtcgc tcgaaattga ataccgaagc gctgagcaaa ttcaaacgac aataactttt 120
tactcggatg tctgattgag tcccgtataa tatcgaaaag ctcgaaattg aatggtgaag 180
ctctaagcaa attcaaacga caaaaacttt ttactcggat gtctgattga gtcccgtaat 240
atatcgaaac gctcgaatgt gaatgtagaa gctctgagca aattcaaaca acaataactt 300
tttactcgga tgtctgattg agtcccgtaa tatatcgaga tgctcgaaat ggaataccga 360
agctctgagc aaattcaaac gacaataact ttttact 397

<210> 6645
 <211> 364
 <212> DNA
 <213> Glycine max

<400> 6645

tgcacacagca tatgaccttt atttaacatc ataatttcat aaaagaggaa taggtctata 60
 tttttatctt aagcacttaa gtatgatctt aaacactttc cactgtgcct cactatggga 120
 cgcttgatat cgactaatta cacctagtgc ataagcgaca tcaagacatg tacaagacat 180
 ggcgtacatg atcggtccca ctacactagc atatggtacg ctactcatgc gagctctttc 240
 ttcacgagtt gtaggacaat tctccctact aagagtagat tcaacaccta caggcaaata 300
 gcctcacttg gaaatatcca tggtatatct ctttaagata gtatcaatgt acatagattg 360
 ggag 364

<210> 6646
 <211> 400
 <212> DNA
 <213> Glycine max

<400> 6646

tataatatat cgatacgctc aaaattaaac ttctgataac ttttcacacg gatgttcgat 60
 tcgggcgcac aagatgtcga gaggtctgaa attgaaaaac cgaagctcat gagaatttca 120
 aatggtcata acttttcaca cgaatgtccg attcaggctt ataatatatc gagatgctcg 180
 aaattgaata acggaagctc ttgagaattt caaatgggtca taacttgtca cactcaggtc 240
 cgattcaggc ttataatata tcgagacgct caaaattaaa catcggaagc tctcgagaaa 300
 ttcaatcggc cataattttt cacacggatc tccgattcgg gcgcataata tgctgagacg 360
 cgcgaaattg aacaacgaaa gctctcgtga aattcaaattg 400

<210> 6647
 <211> 438
 <212> DNA
 <213> Glycine max

<400> 6647

tgagagcttc cgttgttcaa tttcgagtgc ctgtatattg atgcgcctga atcggacatc 60

cgagtgaaaa gttatgacca tttgaatttc tcgagagctt cctatgttta attttgagcg 120
tctcgatata ttatacgctt gaatcgaacc tcagtgtaaa aagttatgac catttgaatt 180
tcttttagagc atccgttggt cattttcgag cgtctctata tgtgatgaac cttaatcgga 240
cctccgcgtg aaaagttatg accatttgaa tttctcgaga gcttccgttg ttcaatttcg 300
agcgtctgga catattatgc gcccgaatcg gacatccgtg ggaaaagcta tgaccatttg 360
aatctctcga gagcttccgg tgttcaattt cgagcgtctc gacatattat gcgcccgaat 420
cggacatcca tgggaaaa 438

<210> 6648
<211> 409
<212> DNA
<213> Glycine max

<400> 6648
tctcgatata ttatgctcct gaatcggact ttcgtgtgaa atgttatgac cattggaatt 60
tctcgagagc ttccgatgtt ctatttcgag cctctcgata tattatgctc ctgaatcgga 120
cttccgtgtg acaagttatg accatttgaa ttgctcgaca ccatacgttg ttcaattacg 180
agcgtctcga tatattatgc gcctgaatcg gacgtccgtg tgataagtta tgaccatttg 240
agtttctcga gagcttccgt tgttcaattt caagcttctc gatatattat gtcctgaat 300
cggacatccg tgtgagaagt tatgaccatt ggaatttctc gagagcttct gatgttctat 360
atcgagcgtc tctatatatt atacacctga attagacttc cgtgtgaca 409

<210> 6649
<211> 416
<212> DNA
<213> Glycine max

<400> 6649
tgtgtctattc caagttcaat taccatacct ttgtgttcga caagtggcct cagatatctt 60
aagaaggggg gttgaattaa gatattccaa actacttccc caattaaaaa tctatttcac 120
tttttattca agttataaat tcccttaaca atgaacttct taaatattga ttcaaataaa 180
acaatttgaa tatgaatata aagcaataat aaacaaagga gattaaggga agagaaagtg 240
caaactcaga ttatatactgg ttccggccaca cccttgtgcc tacgtccagt cccaagcaa 300

cccgcttgcg agttccacta tcttgtaaatt tcctttttaca agttctaaac acacaaggac 360
aatccttctt ttgtgttttag aattccttta caacaagaga cccacggtct cttaat 416

<210> 6650
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6650

tctaaactnt gtacaagaat gaagctctga taccacttgt tagacaagtg gcctcagata 60
tcttaagaag ggggggttga attaagatat tccaaactgt ttcccctaata taaaaatcta 120
tttcactttt tactcaagtt atgaattccc ttaatgacaa tcttcttaaa tattaattca 180
aatgaagcaa cttgaatatg aatataaagc aataataaat aaaggagatt aagggaagag 240
aaaatgcaaa ctgagtttta tactgggttcg gccacacct tgtgcctacg tccagtcccc 300
aagcaaccgc cttgagagtt ccactatctt gtaaattcct ttacaagtt ctaaacacac 360
aaggacaatc cttcctttgt gtttagagat cttttacaac aagagactca cagtctctt 419

<210> 6651
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6651

tgcacaatgg aactgatggg ttctcaacaa caaacttgat aggctctgga aatttttagct 60
ctgtctacaa aggaactctt gagttagaag acaaagttgt tgcaataaag gtcctaaacc 120
ttcaaaaaaa aggagcacgc aagagtttca ttgctgaatg caatgccctt aaaagtatta 180
aacatcgaaa tctgggttcag attttaacgt gttgctccag cacagattac aaaggccaag 240
aatttaaagc tttgatattt gagtacctga aaaatgggag cctagaacag tggctgcatc 300
caaggacatt aactcctgaa aagccaggaa cattgaacct tgaccaaaga ttaaatatca 360
tgattgatgt tgcntttgca atacattatc ttcacatga atg 403

<210> 6652
<211> 327

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6652

tgcctgngcg agctgtcatg accctaaatg ccttgttttg ctataaatat gatgtagctc 60
 cattggagct tgtaggccta ggatcttctt catcaatgga ttcctttgct tctctaaaga 120
 tgaatggcag tggaatggag aaggaagaga gagaggagac gccacttcaa ggagaagatg 180
 agtctagaag aagcttacca ccataggagg ccatggataa gagcttgag gaagaaggag 240
 atgaatgaag ggagagcaag agaagagcac gaaattttgt gcacacacat gacctctatt 300
 tatagcctaa gtgtcacaca aaattgg 327

<210> 6653
 <211> 386
 <212> DNA
 <213> Glycine max
 <400> 6653

tgaaccttta tcatagcaga caacttctct ttttctgaaa agggagtgt aataggttta 60
 gaatcagcca ttccaaacct cacaagtatc ttctgaatgt agtccttttg agacaaaaat 120
 agccttttct gagttctgtc cctatagatc accattccta agattttctt tgcagccgct 180
 agatctttca tatcaaattc accactcaag aggatcttca gattttgtat atcacacatg 240
 ctttttgcta caataagcat gtcatctaca tagagtagaa gatagatcat tgatccatcc 300
 tccaccttgt tgtgataaac acaacagtca tagaaacttc tcttgaatcc ttggctggtg 360
 ataaagctgt caaacctcat gtacca 386

<210> 6654
 <211> 394
 <212> DNA
 <213> Glycine max
 <400> 6654

ttgagccaat tcatacgaca ataacttttt actcgaatgt ctgattgagt ccataaatat 60
 atcgagacga tcgaaattga atgttgaatc tctgagcaaa ttcaaacgac aatagctttt 120
 tactcggacg tctgattgag tcccgttaaca tatcgagacg ctcgaaattg aatgttgaac 180

ctctgagaca attcaaacga caataacttt ttactcggat gtctgattga ttcccgtaat 240
 atatcgagac cctcgaaatt gaatgttgaa gccctgagcc aattcaaattg acaataaatt 300
 ttactcggga tgtctgattg agtcccgtaa tatatcgaga cgctcgaaat tgaatgttga 360
 acctctgagc caattcaaac gacaataact tttt 394

<210> 6655
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 6655

tggtgagaaa ttgtgcaaac aagaggggaat tggtagagaca tgctattact agattttcca 60
 cttcttatct aaccttggaagggtccaca aagagaaagc taatattaga aagatgttta 120
 tttctgatga atggatctta aacaagttat ctaaggagcc taaggggaaa gaagctgcaa 180
 aggtagtgtc catgccttct ttttgaata gtgtggttta cactcttaaa gtcattggctc 240
 cacttgtcaa agtgcttcgt cttgtggatg gtgaaaggaa accagccatg ggctatatatt 300
 atgaagcaat ggacaaggca aaagaaacaa ttatcaagtc tttcaacaac aacgaaagca 360
 agtacaaga tgtgtttgca atcattgata aaagatgaaa ttgtcaactt cata 414

<210> 6656
 <211> 417
 <212> DNA
 <213> Glycine max

<400> 6656

tcaagagatc atccccttga caacattctt ggtgacatct cagcaggggt aacaactaga 60
 cattctctca aagatttatg caataacatg gcttttgtat ctatgattga acctcaaaat 120
 ttaaatgaag ccataataga tgaaaattgg ataatagcta tgcaggaaga actaaaccaa 180
 tttgaaagaa ataatgttcg ggagttagtt gagaaacctt aaaactacc aatcattggg 240
 acaaaatggg tgtttagaaa taaattagat gaaaatggca tagttataag gaataaggcg 300
 agattagtag ccaaaggata taatcaagaa gaggggaatag attatgagga gacatacact 360
 tcagttgcta gattagaagt catcagaatg ctattagctt atgcatccat aatgaat 417

<210> 6657

<211> 380
 <212> DNA
 <213> Glycine max

<400> 6657

tcagtggctt agtgaagatg aagaggtaaa agtgactcaa cagggttgagg tgtgtctcac 60
 cattgggaga tataatgaca aggtgctgtg tgatgtggtc ccaatggaag cgacccatgt 120
 gctgttagga agatcgtggc agtatgatac caaggcagtg catgatggct tcaccaacaa 180
 catctctttc aagcaagctg acaagaagat tgttctcaaa ccggttatctc ctcaagaggt 240
 ttgtgaggat cagataaaaa tgagagaaaa gaaaaagagt gagacacttg agaggaaaaa 300
 gagtgagaca cttgagaagg aaaagtgagg aaagaaaaag atgaaacatt gagaggaaaa 360
 gaagaaaaca atgagtgaag 380

<210> 6658
 <211> 336
 <212> DNA
 <213> Glycine max

<400> 6658

tccatgttta atcacgagcg tctcgatata ctacgggaca ctatcagaca ttcgagtcca 60
 aagctattgt cgtttgactt ttcttacagc tttcgttatc gatttcgagc gtctcgatat 120
 attatagggc tcaatcggac atccgagtta aaagatattg tcggttgact attgttatag 180
 attccgttat caatttcgag agtcgtcata tattacaggg ctcaatcgaa catccgagta 240
 aaaagttatt gtcgttagat ctttctcaga gtttccgttt tcaattacga gcgtctcgat 300
 attcgacgcg acacaatcgg acattcgagt caaaag 336

<210> 6659
 <211> 417
 <212> DNA
 <213> Glycine max

<400> 6659

tgaagaggca attgatgtgt tgcattctca atcagtatcc ttcagcattt tcggtgaaaa 60
 agtttcttcg cctgtggttt cgaaattgat acaggctttt gaatcaaaag tacaagaaga 120
 tgagcatgag acagaaagta gggattccag tgatgttctg tcatcatcaa actcatttat 180

tatgttaact aaagagcaaa ttggagattt gaaaaaattg ctttcaaagt ggaagctgaa 240
 tggtcagatt gcaggtacat tattcaatgg ggagcgagat gatcgaaaaa ctggtgatgc 300
 aaagtacagt gatctcaagg accagtttga acaattgaag caacattgct cagatttgga 360
 agcatccaac attgaacttg cagttcaata tgaaactgca aagcaacttc tgggtga 417

<210> 6660
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6660

agcttgacac caagattctc cttgcctggc acttcanaac cttctggttg ggtcatatat 60
 atgtcttctt ctanatcccc atgcaagaat gcagttntaa catctaactg ctccaagtga 120
 agattctcta cagctactat actcagaata aatctgatgg tagtcatctt tacaactgga 180
 gagaagatct ttgtgaaatc aattccttgt ttctactgaa accctttcac cacaagtctc 240
 gccttgtatc ttcttctacc ttcagattct ttcttttagcc tatagacca cctattctgt 300
 aacgctttct ttccttctag caatttagtt aaagaccacg tcgtattctt ctgaagggat 360
 gtcattctcat ttttcatcgc tagctccac tcaatagtgt cattcccctg tgtagcatca 420
 ctgaaacatt ctg 433

<210> 6661
 <211> 379
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6661

tgtttttctt tgctgaaaat aattaattag ttntgcattt ttaatatcac ttagttatta 60
 ttaatttatg gtttagtggt aaattaattt tggtaaatta ttattttgtg ttttagaata 120
 atagtgttta gttattatta atttacagtt taggtagata aattattata catgataaat 180
 taattttctt aaattattat tttatgtttt agaacaatag tgtttagtta ttattaattt 240
 accgcttagt tagataaatt attatacatg gaaaattaat ttttttatta aattattatt 300
 ttatgtttta gaataatagt gcttagttat tattaattta cgaattagtt acataaatta 360

<210> 6662
 <211> 429
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6662

agcttgaatc ggacatccgt gtgaaaagtt atgagcattt gaatgtctca agagcttcca 60
 ttgttcaatt tcgagcatct cgatatatta taagcctgaa tcggacattc gtgtgaaaag 120
 ttatgaccat ttgaatttct caagagggttc cgttggtcaa tttcgagcct ctcgacatct 180
 tatacgcccg aatcgaacat ccgtgtgaaa agnnatgacc atntgaattt gcaagagtct 240
 ccgagggtcta atttcgagcg tatcgatata ttataagcct gaaacggaca ttcgtataaa 300
 aagttatgac catttgaatt tctcaagagc ttgccgtgat caatgtcgag cctctcgaca 360
 tattatgcgc ccgaatcgga catccgggtg aatagttatg accatttgaa tttcgcgaga 420
 gtttccgat 429

<210> 6663
 <211> 397
 <212> DNA
 <213> Glycine max
 <400> 6663

taatgaagcc acaagaaaag atcactaccc gcttcccttc atggatcaaa tgctcgagag 60
 acttacaggg caatctttct actgtttttt ggatggatac tcgggttata atcagattgc 120
 agtagatccc caagaccaat aaaagataac tttcacatgt cacttcagtg tcttttctta 180
 tcgccgcatg ccattcgggtt tatgtaatgc ccctactact atccaaagat gtatgatggc 240
 tatctttgct gacatggtag agaaaggcat tgaagtcttt atggatgatt tttcagtcct 300
 tgggtgcatct tttgagaatt gtttagcaaa tctagagaag gtgttacagc ggtgtgaaga 360
 atccaatctg gtacttaacg gggagaaatg tcatttt 397

<210> 6664
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 6664

agcttgagac tgggcaatga atagaaatca tcacttccat tgatgccttt aagtaagact 60
tcattggttg cctgtgattt gacaatgcac aagtgaggat agaactcaaa ataaacttca 120
ttatcttttag caaacttact gacacaatag attttttagtg attgaaaaaa catgtaacaa 180
attatgaaga taaagaggaa aattaggatt ggtaggagac ttaaaagaag aaaaacccaaa 240
accaagaatt ttcaaaccctt caatcaaagt gaccaagctg atgagtattt tgtgtttctc 300
cagtcacatg gaatgaagct cccgagtcaa ggatccaagt tgagttagta ttttcctggg 360
aagatgaatt agctagcatg gcactcagaa taacttcaat gggagttgac tgattctgac 420
ttttagtatt t 431

<210> 6665

<211> 343

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6665

tttaatctga ttaaaagccc aaacaagaaa tgcaaaggga agttctatga aggtgactgg 60
tgtaactgca atcattcatc aaattgaatg ataaaagcta aaaaçaaatt tgcataaacc 120
aggattataa aatgaaattt ggcattaaac ctatnntaaa ataaatgaaa gtccaaatca 180
gaacataaca attatgcaaa tcggagccaa gttaatctta gcgaatactc acctccatcc 240
gataaccagc ccttgatgca cacatagcat ggaaataagt ggaacacttg caacattgtg 300
tgcacgaacc atgaatttct tacaaaaaca caaatctgaa atc 343

<210> 6666

<211> 387

<212> DNA

<213> Glycine max

<400> 6666

agctttgcat accccaagga accatcagga aattacttgt gaaggagagc catgagggtg 60
ggctcatggg ccactttggg atagacaaga ccctagtctt actcaaagaa aagttctatt 120
ggcccatat gaagaaagat gtccataaac attgcactag gtgtgtggct tgtttacaag 180

ccaagtctag ggtgatgcct catgggctat acacaccctt acccattcca tctgcacctt 240
 gggtagacat tagtatggac tttgtccttg ggctccctag aacccaaaga gttgtagact 300
 ctatctttgt agtgggtgat aggttttagca agatggcaca ctttatacca tgccacaagg 360
 tggatgatgc ttcccatatc ttaaaac 387

<210> 6667
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6667

agcttcacaa aagtttatat ggcttgaaac atgcaccgag gcagtggtag aagaagttaa 60
 atgagtttat gagcaactca agattcaaca gatgtgacat gggccattgc tgctatgtta 120
 agaaatatac taatagttat gttgtccttg tcatgtatgt tgatgacatg ttgattgcag 180
 gatctagtag ggcagaaatt aacaagttga ancancagng ggcagaaaac tttgaaatga 240
 aggatcttgg tccagctaaa caaatccttg gtatgagaat tcttagaaac agatcagaag 300
 gaattttgaa gctgtctcat gagaaatata tacacaagtt gcttgacatg ttttaccttg 360
 aagattctaa gaccaggaat acccctntag gatctcattt gaagttttca aagaagcaat 420
 ctttg 425

<210> 6668
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6668

agctntcaac tattagctag ttnttcaatc tccaattagt tnttcagtta attntgtcaa 60
 acgtaatcta aatataagtt acattatcat taaagaaaaa aaaatacttt tgaaaatttt 120
 aagattggca taaattaaag gttaaattag tctgtaggat ctcatattat tacaaaatttt 180
 ttttaattaga tccttatatt ttattnttct tttaatgggt cctatattaa ttttaaattt 240
 gtaacctacg ttaatttatc atgaggaatc tgtttagactt aatgaaatat ttcacatcat 300
 atacacatat agatgcgaac cctaaaccaa tacacttgaa ttgattataa atgtgtgaac 360

cttaaactac gaattgttac atacgtgatt aaggaagtgc gaacaacatt acaaacaaaa 420
taaggattaa tcacgcatta tg 442

<210> 6669
<211> 387
<212> DNA
<213> Glycine max

<400> 6669

agctcgttcc agaatccgca atctacgcca agttgctcga actcgagact cagatagatt 60
ctgctttggc caggaagaaa attgatgtgc aggcgaaagt tagaaaccct ctctgcgtta 120
agaaaacgct tagagtttat gtttataaca ctttttcaaa tcaagtgaag gtggagactg 180
ggaagaatgg tgtggaggag ctttcttggg ctctgaggat aactggaagg gtgttggaag 240
atggtaatgg aaaggattct gtggcggaag gaatcttgac gaatgaatat ccaaaattct 300
cggctttctt taagaagatt accatatact tggatcaggg cttgtaccag gataaccatg 360
ttgttgtgtg ggatagtgtc cattcgg 387

<210> 6670
<211> 388
<212> DNA
<213> Glycine max

<400> 6670

tgttgttttt tagctagaca actttttatt actatttttt attttctata tttttcttcc 60
atcttattct tttcttgctc gctctctttt tgctcctttt tttccatgag atattttgct 120
acctaaacat acgtatatat ttgtgaggta ttttgctata tacatgcgtg tccaaggat 180
cttgctacct aaacatacat atatatgttt tgtgagatat ttttgctata tacatgcata 240
tccaaggat cttgctacct aaacatacat atatatatat tgtgaagtat ttttcctaca 300
tacatgcata tccaaggat ctttctacct aaacatacat atatattttg tgaggatga 360
ctaccttccg agcttgtgtc tgttttat 388

<210> 6671
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6671

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agaagaatgt ggcattttacc tgnngtgaaa tacaagagca agccttttct ttgcttaaag 120
aaaagcttac taaggcacct attctagctc ttcctaacta ttctaaaact tttgagctag 180
aatgtgatgc ctctggagtg ggagttggag ctgtattgtt acaaggtggg caccctattg 240
cctatttttag tgaaaaactt catagtgcc cctcaacta cccacctat gataaagagc 300
tttatgcctt aataagagcc ctccaaactt gggaacatta ccttgtttcc aaggaatttg 360
tcattcatag tgatcatcaa tcacttaagt aca 393

<210> 6672
<211> 429
<212> DNA
<213> Glycine max

<400> 6672

agcttgcaaa ctaagtgtc accttttagta tatgagaatc ctttaagttg tttcatgtaa 60
acctcttccct ctaaagtacc attaaggaat tccattttca catccatttg atgtaactca 120
aagtcaaaat gagctactaa tgccataatt actcggaag aatctttctt agatacagga 180
gaaaaagtct atgtgtaatt aattccttct ctttgagtga accctttggc aacaagtctt 240
gccttatatc tttcaatgtt gccttatgag tctttcttgg ttttaaaaac tcatctacat 300
tcaatggctt ttacactact aggcaactat acgagatccc atacttggtt aaatgccata 360
gaatccatct catctttcat ggcattgtgc cacaagtttg attctttaga actcatggcc 420
tgtgaaaac 429

<210> 6673
<211> 412
<212> DNA
<213> Glycine max

<400> 6673

agcttgcctt gccccttgat atacttgtgg gactcatggt cactatgaat gacaaattcc 60
ttgggataaa ggtagtgttg gcatgttttc aaagcccgtg ctaaggcata caaatcctta 120
tcataagttg aatagttaag ggtaggacca cttaatcttt tactaaaata agcaattgga 180

tggccttctt gcaacaacac aaccccaatc ccaacatttg aagcatcaca ctcaatttca 240
 aaagattttt gaaagtttgg caacgcaagt atgggggcat tagttagctt ttgcttaaga 300
 acattgaaag cttcttcttg tttctctccg catttgagac caacattttt cttgagcact 360
 ttattgagag gtgctgccaa tgtgctaaaa cccttcacaa attggccata aa 412

<210> 6674
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 6674

tttatgatct gtgtgcacaa taaattctct gcccaataaa taatgtctcc agtgcgaat 60
 acaaagcaca agggccatca attccttctc atagacagat ttgccagat tcccatcaga 120
 taaagcttta ctgaagaaag caataggctg tctctgctgc attagaacag cacctatacc 180
 tctgccagcc gcatcacact caacttcaaa aggtaaatca aaatttggaa gaattagcac 240
 aggggggggaa gtcgatgatcc ccttcatctc ctcaaaggcc ttgacagcct ctattcccca 300
 agaaaaattg tctttcttag tcaattcggt gagaggtttt gctattttac cataatcctg 360
 gataaacttt ctataatacc ctgcgagact caaaaaacca cgtac 405

<210> 6675
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 6675

tgttcgtgtg tagagaaact taagctttct gtgtcttctt taaataaaga tccggtggta 60
 gagaccccaa ctagtgggtc tgtgttaact tctaatatgt gatttatatt gtcctatgga 120
 aatttctagt agaacattct tgattgatct gatttgtttg cctttgatcc aaattgatgt 180
 tattttgggt atggactgggt tatcttccaa ccatgtcttg taaaactatt ttgataaaac 240
 tgtgggtgtt gatgattttg gagtgagtaa ggataggata tttatatcta ccaaccaagt 300
 tgtgatatct ttaaaagaag atgcttaagt gcacatgac ttgtttaact ttgaagtaga 360
 gacaaatgtt tccatgggtg acctccctgt tgtagagtgt tttcct 406

<210> 6676
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 6676

cttgatttcc tttgttccgg aaacctttct tttctcatgt gcacccaaac ccaatctccg 60
 ggttcgaaga caaccttctt tctccctttg ttggcttggt tattataact tttatatttc 120
 ctctcaattt gatctttgac tctctcatga agcttcttca catagtccgc ctttgcttga 180
 ccttctttat gattaaaaac agaaacatta ggcataggca aaagatcaag aggagttagt 240
 ggattaaaaac cataaaatac ttcaaaagga gaacaattag tggtgccatg aatagctcta 300
 ttgtaagcaa attcaacatg gggtaaacia gtttccaag tttttaagtt attcctcaa 360
 actgtcctaa acaaagttcc caaagtccta ttaacaactt ccgttt 406

<210> 6677
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 6677

tcttaagttc ttagagaaag cctcatagaa cttgttgtaa tctccttgt tctctgcaat 60
 ttcaaagaaa agtcaagtg gatcctcgtg tacaaagtct tctttatata tctttaaatg 120
 acaaggtaat aataggatct aaaatgtaag gatccaaatc catatttatc atagattaca 180
 ttattacaat atacttctat ctaatattga aaaaaaattg atacgtgtgt gcgcacatat 240
 atgtatatat gtacgtatgc ctcatattaa aaaagtcaac ttttgaatgt attatgatat 300
 cataattgaa ttcagaagta gaatttaact gtccagggtg acaaatcatc tagaaaaatg 360
 tgacatacat ggtgttaaca aacgatgcaa aatataacia aagtatacat 410

<210> 6678
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 6678

tgaacatata cacatactat aacatatggt gatgtactta attttggggt attcatatgc 60
 agataataac tgggttaggaa atagttaatc acattaaagg ggaagaggaa atatatcttg 120

ttgcgtgagt ttatacataa aaagtgtttt agttattagt ttaatttact aatctatgag 180
aaataaagtg gaggtggtgg atgattatgt attgtgttgt taatggtact ggaataatta 240
gttatagaaa tatgggtggt ctgctaattg gtttttgttt tttgtctttg tacgtttcaa 300
atttgtctga aataacatta attttaagta acgaataata atatatatta caaaatttag 360
ttatgcaata tttcacaagt attaggtgaa 390

<210> 6679
<211> 376
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 6679

tcaagaaaaa gatggcctca gcaaattcct tatttccaga aggggaattct atcaatagac 60
ctccaatctt taatggagag gggttaccact actggaaaac ccgaatgcaa atttttattg 120
aggcaataga tctaaatatt tgggaagcca tagaaatagg gccttatata cccaccacag 180
tagaaagagt tacaatagat ggtagttcat caagtgaaag cataactata gaaaaaccta 240
aagatagatg gtctgaagag gatagaaaac gagtacaata caacttaaaa gccaaaaaca 300
taataacatc tgccctgnga atggatgaat atttcagggt ttcaaattgt aagagtgcta 360
aggaaatgtg ggacac 376

<210> 6680
<211> 406
<212> DNA
<213> Glycine max
<400> 6680

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ggtcaagtaa gtgcttttct gcatcaaaca gatcaaactt gatcttctaa tcatctatgc 120
ccatttctag tttatccttt cccatatcca ccacacaacc ggcggttaac ataaagggat 180
ggcccaaat caaggggatt ttagcgtcct cttcaatct catcacaaca aaatctgcag 240
ggaaactaaa ctgcttcacc ttaaccagaa catcttcaat tatgctataa ggtcttgtaa 300
tagaccgatc tacaagttgt agtgtcattc tagttggcat aatctccaac tctctaattc 360

tcctacacat ggagagagggc atcaaattta tactggcccc caaatc

406

<210> 6681
<211> 409
<212> DNA
<213> Glycine max

<400> 6681

tctattttatt ttcagtagat gaagatgaat ctgtggccac caaatggact tttctaagga 60
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tcctagcctc ggcaggagtc atatcactga gagctccacc actggcagca tcaatcatac 180
tcctctccat gttgctaagt tcctcataga aatattgaag aaggagttgc tctggaaact 240
gggtggtgagg acagcttgca cacaatttct tgaatcttct ccaatactca tacaagctct 300
ctccactaag ttgcctgatg ccttaaagt cttttttgat ggcagtgggc ctagatgcgg 360
ggaagaattt ctccaagaac accctcttaa ggtcatccca gctgaaaat 409

<210> 6682
<211> 382
<212> DNA
<213> Glycine max

<400> 6682

tgttcgtgtg tagagaaact taagctttct gtgtcttctt taaataaaga tccggtggta 60
gagaccccaa ctagtggttc tgtgttaact tctaatatgt gtttgaattg tcctatggaa 120
atttctagta gaacattctt gattgatctg atttgtttgc ctttgatcca aattgatgtt 180
attttgggta tggactgggt atcttccaac catgtcttgt aaaactatct tgataaaact 240
gtggtgtttg atgattttgg agtgagtaag gataggatat ttatatctac caaccaagtt 300
gtgatatctt taaaagaaga tgcttaagtg cacatgatct tgtttaactt tgaagtagag 360
acaaatgttt ccatgggtga cc 382

<210> 6683
<211> 394
<212> DNA
<213> Glycine max

<400> 6683

tgacggagtt tgggtgcatcg gggaataatt tcactttata agtgggtccc aattggattc 60
 ccaattttca acttacctat ttggaagaga tatcatggcc gttagggtccc agctttccat 120
 tgtggattca gtcacaaaac aaacttgaat atgttggact atctaacacg gggattttcg 180
 attctatttc cacacagatg tgggaagcac tttctgggt tttgtattta aacctctctc 240
 gtaatcatat ccatggtgag attgggacta cattaagaa tccaatatct atcccaacta 300
 ttgatctaag ctcaaatac ttgtgtggta aattacccta tctttcaagt aatgtgcttc 360
 agttggatct ttcaagcaat tcattctccg aatc 394

<210> 6684
 <211> 339
 <212> DNA
 <213> Glycine max

<400> 6684
 tgttgatgct aggcagggga tatgcatctt tggaacacgt catgtacagg ttggtgtagt 60
 ctgtgcacaa tttatgtatt tgaattctct gatgaactgg gatttaagca gcttgtcaat 120
 ctctccactg gctactttgt gtagttcttc tcccatcttc cttttctttt gtgagactgg 180
 tttggcctga gggaagatag ccattttgtg gcatataatg ttaggggtgga tgcttggcat 240
 gtcagatggt tgtcaagcaa ataaatctgc gacttcagct ataggctctgt gctcgtggct 300
 aatgaggctct ttgttgagct gtgtgcattg cccaaactt 339

<210> 6685
 <211> 364
 <212> DNA
 <213> Glycine max

<400> 6685
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 gtgaagaaga atgtggcatt tacctgcggt gaaaaacaag agcaagcctt tgctttgctc 120
 aaagaaaagc ttactagggc acctgttcta gctcttcctg acttttctaa aactattgag 180
 ctagaatgtg atgcctctgg agtgggagtt agagctgtat tgttacaagg tgggcaccct 240
 attgcttatt ttagtgaaaa acttcatagt gccaccctca actacccac ctatgataaa 300
 gagctctatg ccttaataag agccctccaa acttggaac attaccttgt ttccaagaga 360

ttgt

364

<210> 6686
<211> 375
<212> DNA
<213> Glycine max
<400> 6686

tggacttctt gtgtttctggg aacctctcct tcctcatgtg taccaaacc aatcacctgg 60
gtcaagcacg actttctttc tgcttttgtt ggcttgccct gcatagctca ctttttctt 120
ttcaatttga gccttcactt gctcatgcag cttcttcaca tacttagctt tagcctgtgc 180
gtccttatgc ttaaacaatag caatgtgtgg cataggccac aaatcaagag gagtcaaagg 240
attaaatcca tacactatct caaatggtga acaattagtt gtgctatgga caacccgatt 300
ataagcaaac tcaacatgag gcaaacaatgc ttcccaagat ttttctttaa aacagtccta 360
agcagtgtgc ctaaa 375

<210> 6687
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6687

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aatttatatt cccttaaatt cgctcagagt ttcatttttc tattatgagc gncncgatgt 120
attaggggtc tcaatcggac atccgagtta aaaattattg tcgtttgatt tttctcaaag 180
ctttcgtttt caattacgag cgtctcgaat tcctacggga cacaattgga catccgagtg 240
aaaagttatt gtcgtttgaa tttgtttaga gcttatgttt tcaattacga gcgttttgat 300
atcccacggg acacaatcgg aaatccgagt taaaagttat tgctgctaga attttgtcat 360
agcttccgtt atcaattatc agcgtctcga t 391

<210> 6688
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 6688

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atatatcgag atactagaaa ttcagaacag aagctattag aataatcaaa cgacgatgac 120
tttttacacg gatgntccga tgggtcccat aatatgtcta gacgcttgaa attgaaaaca 180
gaagctttca gcatattcaa aagacaataa ctttctactc gaatgttcga gtgagtccca 240
taatatatcg agacgctcgt aattgaaaac agaagctcag aggaaattca aacgacaata 300
acttttgact caaatgtccg cttgagtcgc gactatatc gagacgctcg taattganaa 360
cagaagctct gaggaattc aaacgacagt aactttttac tctgatgacc gattgagtcc 420
cataatat 428

<210> 6689

<211> 429

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6689

agcttacatt attgttggca agtctatata tattatTTTT tagaacaaaa atattccttg 60
tctctaactg aaaaataaat aaaaacaggg attcgacttt ttttatgcga acaagagtat 120
aataagtgat ttgactcatt aataaataaa aaactcgaca attgatattt gaatgtattc 180
ataattctgg taactcgta tgcagtgcga cataatataa atctattaaa aggagttgaa 240
gccaaaggat tcatanatat ctttttattn ttaacataaa gaagaacatt acgattctct 300
ataaccaaat aaaagcattc aagattatag attataacat atcctacgga ttggtattta 360
taaaaatact tatcatgacc agaaaagcaa gaatatgcaa tatccgaata tctactactt 420
gattaagtt 429

<210> 6690

<211> 438

<212> DNA

<213> Glycine max

<400> 6690

agcttcgaaa tctaaagatc taattcatgg taaatgtttc ataaatggaa ttcccttact 60
tctgttgatt gattccggtg caacctattc ttctatatcc tattcatgtg tcgggaaact 120

taagcttcat atgtcttctt taaataaaaa tctgattgta gaaaccccaa ctagtggttt 180
 tgtgttaact tctaattgtt gtttgagttc tcttgggat acttctggta ggacatttgt 240
 ggttgatctg atttgtttgc ccttgagcca aattgatgtt attctgggaa tggactagtt 300
 atcttccaac catgtcttgt agaactgctt tgataaaact gcggtgttct atggttctgg 360
 agtgagtgat gatattgatg tcatctttac caaccaagct gtgacatctt taaaagaaga 420
 tgctcaagtg tacatgat 438

<210> 6691
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 6691

tcttgccttc aaattccttg agctgaccaa cagcatattc atcaatggca tcaaccatat 60
 aaagaacctc gtatcccttc ttcttcaact tctctaagaa tgtagagttc tcaacagcct 120
 tcttgctttc acctgtgatg tagtagatgt cactctgacc ttccttcac ctaggtcacat 180
 aatccttgag gcttgtcatt tcatcaccac tcttgggtga gtggtacctg agcaattcag 240
 caatctttcc cttgttctgt gaatcctcat ggatacctag cttcaagttc ttggagaaaag 300
 cctcatagaa cttgttgtaa tctccttctg tctctgcaat ttcaaagaag agctcaaggc 360
 acttcttaac caagttcttt ctgatgacct tcaagatctt gttctg 406

<210> 6692
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 6692

tctaaacttt atacaagaat gaagctctga taccacttgt tggacaagtg gcctcaggta 60
 tcttaagaag gggggggggg ttgaaccaat atattacaac ttatttcccc aattaaaaat 120
 tctatttcac tttctatcca agttataaat tcccttaata atgaatttct taaatattga 180
 ttcaaataga acaatttgaa tatgaatata atacaataat aaataaagga gtttaaggga 240
 agagaaaatg caaactcaga ttatactgg ttcggccaca cccttgtgcc tacgtccagt 300
 cccaagcaa cccgcttgag agttccacta tcttgtaaatt tctttttaca agttctaaac 360

acacaaggac aacccttcct ttgtgttt

388

<210> 6693
<211> 427
<212> DNA
<213> Glycine max

<400> 6693

agcttaagct ccttcaactg cacaaggctc ttaatatttg aagagtatcc ttgtggaacc 60
ttcacccgac gaagacacta acaaaaactt atcttctact tcttggacaa agtatggcag 120
gctgggggca agtaaaatfff cttcccatca gaccttggat gcaattgtga tcgtataccc 180
atattagcta gatcttgacg ggtattcaag ccatecttcg tcttgccttg aatgttaagg 240
agcgtcccaa tcacactatc acataaattt ttctccacat gcataacatc aatacaatgt 300
ctaacgttaa gatcacacca gtacggaaga tcaaagaaaa tggacctctt cttccatattg 360
caactctgac ttttatcctt cttttgggtc ttcccaaata cagtattcag gtgttcaacc 420
cgctgat 427

<210> 6694
<211> 391
<212> DNA
<213> Glycine max

<400> 6694

gaaattcaaa cgacaatact ctttgactcg gatgtcggat tgagtcacgt aatatctcga 60
gacgcttgaa attgaatacc gaatttctga gcaaattcaa acgacaataa ctttttactc 120
ggatgtcggg ttgagtcacg taatatgtca agacgctcga aatagaatac cgaagctctg 180
agcaaattca aacgacaata cctattgact cgatgtcgg attgagtcac gtaatatctc 240
gagacgctcg aaattgaata ccgaagctct gagcgaattc aaacgacaat aactttgtac 300
tcggatgtgc gattgagtcc cataatatga cgagacactc ggaattgaat accgaagtta 360
tgagcaaatt caaacgacaa taaattttta c 391

<210> 6695
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6695

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aaaaagttat tgctcgtctga ctntgctcat aactttatca ttcaatttcg agtgctctnta 120
tatattacgg gactcaatca gaaatccgag taaaaattta ttgctgtttg aagttgctct 180
gagcttcaac attcaatttc gagcgtcttg atagattaca ctgactcaat ccgacatccg 240
agtcaaaagt tattgtcgtt cgacttggct cagaacttta acattcaatt tcaagcgtct 300
ttatatattg ctgggactca atcatacatc cgagtaaaaa gttattgccg taaacttttc 360
tcagagcatc ataattcaat tggagcgtct cgtatattac cggactcaat cagac 415

<210> 6696
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6696

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ggtgaattgg ttcatctagc accgatggga gaagcagaac ctgtcacctt ccaataagca 120
attaaaaaag aagtatgggtt acaaactatg agagaagagt tgaaagccat agagaggaac 180
aagacatggg agctggctag tctaccaa at ggcaaaacaa ctataaagggt caaatggggtt 240
ttcaagaaca agctcaaacc agatggggagt attgctaaac acaaagccag gctagtggca 300
aagggcttta tgcagaaaga aggctatgat tacaaagaag tctttgcacc aatggctagg 360
tttgagacta tgaggttgat agatgctttg gcaagttgga aaggggtggaa actatggtaa 420
atggatgtaa agtct 435

<210> 6697
<211> 438
<212> DNA
<213> Glycine max

<400> 6697

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ggaatctgtg ccctttcttc tgctacaat ttgtctaaaa gtttgtaaaa gtgtgtgtca 120

aagtgtgtgt accctaattc tgcacaagat aggctttaa taggctctaa attcacgacg 180
 ttgcgcttag cgccacccta tctgatgcaa gctccattag agcttgtagg cctaggatct 240
 tcttcatcaa tggattcctt tgcttcttgg aagatgaatg gcagcggaat gaagaaagga 300
 agagagagag gagacgccac ttcaaggaga agatgagtct ataagaagct caccaccata 360
 ggaggccatg gataacagct tggaggaaga aggagatgaa tgaatggaga gggagagaag 420
 agcacgaaac tttgtgct 438

<210> 6698
 <211> 438
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6698

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 tcaaatggct tttacatggc catcaaaggt ctatttatat gtgacttggg acacaaattt 120
 gctcaaaatt tttcagaaca aaaaggtttt atcctctcaa aaagcaaat cttcttatcc 180
 tcttaagatt ccttggccaa tacacttgca attcaataag gatttatttg agtgctcaaa 240
 ttgttcaatc tatctctttc aagagagatt tcttcttctc ttactctaa ttctcaaaaa 300
 gggattaaga gaccgagggt ctcttggtgt aaagaaatct gaacacaaag gaaggattgt 360
 ccttgtgtgg ttcagaactt gtaaagggat tctacaagat agtggaactc tcaagcgggt 420
 tgcttgtgga ctggacgt 438

<210> 6699
 <211> 407
 <212> DNA
 <213> Glycine max
 <400> 6699

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 taggcaaaag atcaagaaga gttagtgggt taaaaccata aacaacttca aaaggagaac 120
 aattagtggg gctatgaaca gctctattgt aagcaaattc aacatggggg aaacaagctt 180
 cccaagtttt taagttattc ctcaaaactg tcctaagcaa agttccaaaa gtcctattaa 240

caacttccgt ttgcccatcg gtttgtgggt gacaagtggg tgaaaataac aatttagtgc 300
 ccaacttgct ccacaaagtc ctccaaaaat gcaaatcatc aagcctaggt ataggatgcc 360
 tatatttaat ggtgatgtta ttaagggctc tacaatcaga acacatg 407

<210> 6700
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 6700

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 gtttgatgtc ataatggatt attctttgtt tgcaatcttc gtgcaagtat gcgatgcctc 120
 tggctatccc aactgcaatc tcataaagct tttcatatcc taaggctctc ttttcatgga 180
 acaaatacct gtcaagagag ccattctcca tgtactcata aaccagtgtc cttagatctc 240
 tttcgaagca aaatccaatc aactgaacta gattgaaatg atgaactttt ccaattgtac 300
 ccacttctgc cataaattgt tcctcaatc tcttatctga gttaccacgt agaacttca 360
 cagccacagt gattccatca ctcaaatttc cttt 394

<210> 6701
 <211> 302
 <212> DNA
 <213> Glycine max

<400> 6701

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 aactgagaat cccattgggt gagccatata aacattctcc tcttaaattc ccattagaaa 120
 agcagttttc acattcatct gatggaactc ttaatcaata aagggtactg gtgtgcatgt 180
 aatcctcaaa gaatcctttt ggagatcggg gaaatgtctc tttataatca atgtcatctt 240
 tctgagtaaa tcccttaaca aagccttggt acgttcaaag ttgtcatgag agtcacgttt 300
 ag 302

<210> 6702
 <211> 311
 <212> DNA
 <213> Glycine max

<400> 6702

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aaactccttg aactacttga cattgattta tttggtcctt ctagaactat gagtttaggt 120
ggaaattact atggccttggg aagtgttgat gattactcaa ggttacttg gaccttgttt 180
ttgaaaacca aaaataaagc ttttgatgct tttcgcaaac ttgccaaggt gattcaaaat 240
gaaaaaggtc caaacatttt tcaattagaa gtgatcatgg aggtgaattt caaatgagt 300
cttttgaaac t 311

<210> 6703

<211> 442

<212> DNA

<213> Glycine max

<400> 6703

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agctcaaaag gggatgtcca atcaggtgcc tgaataatag ggggtgtagt caccgcacgc 120
ttgaggcaat caaaagcctc tttgcatcgg tcatcaaaat aaaactccaa gtccttttgc 180
agcaaattgg atagtggaag ggccactttg ctaaaatcct tgataaagcg cctataaaac 240
cctgcatgac caagaaaaga acgaacctct cgaacgcaag aggggtaagg caattgtgaa 300
ataacattta tttttgcagg gtctacctct atgcccttac tggaaatgat atgccctaaa 360
actatacctt gttctaccat gaagtgcacat ttttcaaat tcagcacaag gttagtttca 420
atgcatctat taagaactct at 442

<210> 6704

<211> 412

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6704

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catattgaag aggtttaccc ctatgaagaa agtaatcttc taatggtagg aaggcttctt 120
gggagtcaac cttgtgacct aactcaatcc caaagagaga acatctttca tacaagatac 180
aaggttttta acaaaaattg ttctcttatt gaggatagtg ggtcttgctg caattgttgt 240

agcacaaggt tgggtacctaa gttgagtctc actatcattt gccacccaaa cccttacaag 300
 cttcaatggc tcaatgatca aggggaaatg atagtcaata aacaagtaca aatatcattn 360
 tctataggag actactgtga tgaagtttta tggtatataa tccctatgga ag 412

<210> 6705
 <211> 378
 <212> DNA
 <213> Glycine max
 <400> 6705

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 gcttagcatt ggccctttgt gcaacagaaa cttgtctgta agaatgaagc ttaacaaaaa 120
 caaggtcacc aatggcaaag tgtcttttag atccatgctt atcagcaagt tgcttcatac 180
 aattctgagc ttgctgtaaa tgaaacttca gaactctaag catttcctcc ctcttgctaa 240
 ggcttcgatc caccaaagca accttggatt caccaggaag gtaaggcaat gaaatgggag 300
 gaggccagtt gatatagctc caagtggagc ttgtaggcct tggatcttct tcatcaatgc 360
 aaaaaagatg attggaga 378

<210> 6706
 <211> 407
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6706

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 tcaaatggag aatagagacc atatgaattg ctcaagagct tccattgttt attttctagc 120
 gtctagatat ataatgcgcc tcaatcggac ctccgagtta aaagttatga ccatttgaaa 180
 tgctcaagag cttccattgt tcaatttcga gcgtcacgat atattatgca cctgaatcgg 240
 acctgcgagt gacaacttat gaccatttga attgctcaag agcttccatt gttcaatttt 300
 gagcgtcacg atatattatg cacctgaatc ggacctgcga gtgacaactt atgaccattt 360
 gaattgctca agagcttcca ttggtcaata tcgagcgtct cgatata 407

<210> 6707

<211> 395
 <212> DNA
 <213> Glycine max

<400> 6707

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 ttttcaatca cttctgatga aagacccaaa gcttcaaaaa tctgagcacc tttgtatgat 180
 gccaaagttg atattcccat cttggcaaga accttcatca ttccatagtt gcttgctttg 240
 aaatacttct tgaccaactc atcttttgag tggaattcac cacttgcttt' tgggtggtatc 300
 tttccatcaa cctgcaggcg ccaaattgca tctattgcca aatatgggca tatagcatca 360
 gcacaaaaac caacaaggtt gcagaaatga tgcac 395

<210> 6708
 <211> 428
 <212> DNA
 <213> Glycine max

<400> 6708

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 gcatgggtgta caaaggaggg ttttctgaga tgaggggaaga agctgagagg gtttttgaca 180
 agggatccac tttttactgg ttgacgggtt tgtcaagtgt ggtgacatgg cagtgttgct 240
 acatgggaac tgcagggttg gtctttctca catcttcagt aactggaggg gtttctgcta 300
 atgctttgtt gtccctgaat gtgttggcag ggtggtttgt gtaccatgat gccttcaatg 360
 gttttaagat tgtggccact gttttgtgca tttggggctt ctgctcttat gtctattgca 420
 tgtacttt 428

<210> 6709
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6709

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gtcatcattt tttcgtcatt gaggtgccac ttgagctgcc aggtctctcc acctttgggt 120
gtattctttg aaagatctgt gccccttttt gcacatgttc tgttggtgca tcctatccgg 180
aaccatatca aacttgact gatactgcct aatgaaggca accattangt ccttccaaga 240
gtggactcga gaaggttcta ggtagtgta ccaggtaaca gctaccccag taagattttc 300
ttggaaggaa tgtatcagca gttcctcatc ttttgcgcat gcccctatct tccgataata 360
catctttaga tggttcttgg ggcaagtagt ccccttgtag ttgtcaaagt 410

<210> 6710
<211> 357
<212> DNA
<213> Glycine max

<400> 6710

tattactatg tccgctacga agtcttcacg ggagtgtccc gtactcaaga accgcgaaag 60
catatcaaca gattcaagcg attgtttctc cttcagctcc tttttcttct ctctcactat 120
gtacctggcg aactcgtgca cttccttcac cgctcttctt agacgccttt cggaacctat 180
gtgaagtaat ctctttattt tccagactaa cggcaacggc tcgcggaacc ggttgctgct 240
gatctccggt ggttattcga aggcttggtc gaacttgctc cgttcagctg acagcgtcag 300
gtattcgggtg tcgaagccaa acgcgatttt gcagatgttg tcaaacgcga aacgttg 357

<210> 6711
<211> 353
<212> DNA
<213> Glycine max

<400> 6711

tgtaatcgat tacacacata ctataatcga ttaccagagg agatgggttag ataattattct 60
caacaatcac atcttttcat tgggtcttgt atttcatcaa aggcctatat atatgtgact 120
tgagacacga atttgctaag agttttcaga aaaaaaaggc cttatcctct taaaaagcaa 180
aatcgttgta tcctcttaaa aattccttgg ccaaacactt gtgattcaat aaggaattat 240
ttgagtgtc aaattgttca atctatctct ttcaagagag attcattctt cttctctttc 300
taattcacta acggattaag agaccgacga tctcttggtg aaaagaatct aaa 353

<210> 6712
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 6712

tctattgctc ttattcatct ttactcgcgt tatctcagac cttttatttc tgttgccaa 60
 gatattgcat acacctcctt caaagtgaag tatgtagcct ctctccatca tttggccaat 120
 gcttagaaga ttttctttta tgctgggaac tagtaagaca tcatggatga gtcgcgtacc 180
 tttatctgct tccaccatga cagtgccttt gccttttgat tcaaccacac tttcatttcc 240
 cagtcgaact ttgactttga cagactcatc aatacttttg aaaatagtct catccttggc 300
 catgtgattg ctacatccac tatccaagta ccagtttctt cccttttctt ttattgagtc 360
 ttaagtggcg tagaacgtac attgttcttg atcatgatcc tctgcgatat tg 412

<210> 6713
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6713

taactcgaat tgcaacgttc caattgatnt tttaatggtg ttatcgatta caatatattg 60
 gtaatcgatt accagtgtat ctgaacgttg aaattcaaat tcaattatta agagtcacat 120
 cttttcataa aatgctttgt gtaatcgatt acatggtttt agtaatcgat taccagtgc 180
 aagttttgaa taaaaaagtc aagagatgta actcttccaa tggttttcag gtttttctca 240
 aggttataac tcttccaatg gttttcttga ccagacatga agagtctata aaagcaagac 300
 cttaacttgc atttgaacaa ctttttataa ctcttttagaa caacttttga gaaacctttg 360
 ctacttattc ttcttcttct tcctttgccaa aaagctttct aagttttctg gtttccaaac 420
 cttgctctt 429

<210> 6714
 <211> 361
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6714

aagagatcat ccnctcgaca acattattgg tgatatctca aaaggggtaa caactagaca 60
 ttctcttaaa gatttatgca ataatatggc tttgtatct atgattgac ctaaaaatat 120
 aaaagaagct ntagtagatg ataactagat cattgccatg caagaagaac ttgaaccaat 180
 tgaaagaac aatgtgtgga aattagtaga aaaacctgaa aattatcctg ttatagggac 240
 aaaatgggtt tttagaaata aattagatga acatgggtata attattagaa ataaagccag 300
 gttagtagca aaaggggtgta atcaagaaga aggaatagac tatgaagaaa catatgctcc 360
 t 361

<210> 6715
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 6715
 tcgcatatcc tttgataaac cttcgatagt aaccagttag gcctaacaaa cctctcagct 60
 gcttgatatt gagtcgtgta ggccactcta gatctgtctg caccttaata gcatccatag 120
 caactccttc acctgaaact atatgtccca agtactctat ctccaataca ccaaagagc 180
 atttagacaa cttagcaaac aaaacatttt ctttcaacac tgtcaataca acctctagat 240
 ggcataagtg ttcatgccat gtggaactat ataccaatat atcatcaaaa aactataaca 300
 catatttcct taaagcatgt tggaaaatat ggttcatcaa aactgaaaa gaagtcgtag 360
 catttgtcaa accaaatgga attaccaacc actcataat 399

<210> 6716
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6716

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 ggggcctatg caggttgaaa gccttggagg aaagaggtag gcctatgttg ntgtggatta 120
 tttctccaga tttacctggg tcaactttat cagagagaaa tcagaaacct ttgaagtatt 180
 caaagagttg agtctaagac ttcaaagaga gaaagactgt gtcataaga gaatcaggag 240

tgaccatggc agagagtttg aaaacagcag gttcactgaa ttctgcacat ctgaaggcat 300
 cgctcatgag ttctctgcag ccattacacc acaacagaat ggcatagttg agaggaaaaa 360
 caggactntg caagaggctg ctagggtcat gtttcatgcc aaagaacttc cctataatct 420
 ctgggctgaa gccatgaaca cagcatgc 448

<210> 6717
 <211> 398
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6717

tcaaccaagg tgagatggac catttcaagt gctaganaga atcaatgaca atgcttacia 60
 agttgagctg cccggtgagt ataatgttag ttccatcttc aatgtctctg atttatctct 120
 ttttgatgca gaaggagaat cggatttgag gacaaatcct tctcaagagg gagagaatga 180
 tgaggacatg accaagagca agggcaagga tccacttgaa ggacttggag gacctatgac 240
 aagggctaga gcaaggaaat ccaaggaagc tcttcaacia gtgctgtcca tactgtttga 300
 atacaagccc aagtttcaag gagaaaagtc caaggttgtg agttgtatca tggccccacat 360
 ggaggaggac taaatgacac cactntattt caaattta 398

<210> 6718
 <211> 401
 <212> DNA
 <213> Glycine max
 <400> 6718

cttttgtgtc ttctttaaat aaagatctag tggtagagat cctaactagt ggttctatgt 60
 taacatctaa tgtgtgtttg aattgtcctg tggattattt aggtagaaca tttgtgattg 120
 atctgatttg tttgcctttg agccaaattg atgttattct gggtatggac tggttatctt 180
 ccaaccatgt cttgttaaac tattttgata aaactatggg gtttgatggg tttggagtga 240
 gtaaggatat gatatttatc tctgccaaac aagttatgac atctttaaaa gaagatgctg 300
 aggtgtacat gatcttgtct aacttggaag tagagacaaa ggtttccatg tgtgacctcc 360
 ctattgtcag agagtttcct gaagtgttcc ctaaggatat a 401

<210> 6719
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6719

ggggtaattt ataattntct atcactgtgt ctggcatggg ttggtggtcc tggagctggt 60
 gtaataagtt tgagtgggctg agttctgtaa ccatcattnt gtctgatgaa cttgtgcttt 120
 cctcctatac cgctggatgg gtggggttgt atctgattca tatgtttgga ttaaaagctt 180
 ttgtgccgga aaatagttat atatcccttg aacgttctat gtagtgtttt ttaattacct 240
 atttttttgt cacttaaagt actaggatga tgcatttgcc acacaatatg gaagatttat 300
 tttttataga ttattggaaa atgacctaga catcctggag atgccaatgg atttagtaga 360
 gacttctaac atggtggcat gacattatat cacaanttac gttcatctct ca 412

<210> 6720
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6720

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 cttccatctt taatggagag ggttaccctt actggaaaac ccgaatgcaa aattttattg 120
 aggccataaa cctaaatatt tgggaagcca tagaaataag gccctatata cccaccacag 180
 tagaaagaat tacatagatg gcagttcatc aagtgaaagt ataactatag aaaaacctgg 240
 agatagatgg tctgaagagg atataaaaacg agtacaatac aattttaaag ccaaaaacat 300
 aataacatct gccctgagaa tggatgaata tttcanggtt tcanattgta agagtgctaa 360
 ggaaatgtgg gacactcttc gattaacaca tgaaggaact acagatgtta aaagatct 418

<210> 6721
 <211> 249
 <212> DNA
 <213> Glycine max

<400> 6721

atcttttcta atggagaatt gcactaagca atcactacgc atagcttcaa actcgaaggt 60

ggaggacaca tgaacgaaaa cgcaattcat gggctcctga aaagattgag aatggagaat 120
 tgcactaagc aatcactacg catagctcca aactcgatgg tggaggacac atgaatgaaa 180
 acgcaattca tggggctccg aaaagatgga gaatggagaa ttgcactaag caatcactac 240
 gcatagctc 249

<210> 6722
 <211> 238
 <212> DNA
 <213> Glycine max

<400> 6722

atTTTTTgt aaaaagcgt ggattttagg ccttagattc ttatctgtgg tgggagttcg 60
 tttccaaggg aatgggacta tgctagggtc agacaggggtg ctgataagtg tggggcagtg 120
 ttgatgtgtg atttggctca tatcagtggt cttgtagcgg ctaaggtgat ttgattttac 180
 tgtcttttct cttgtttctg tttgaattat gttatcgatt ttatggttgt ttatgcat 238

<210> 6723
 <211> 253
 <212> DNA
 <213> Glycine max

<400> 6723

agcttttatt tattcaattc aaaagccttt tgtgcttggt cattccaccc aaacgcaccc 60
 ttcttcaaac attcggtcac aggaacttgc atagtgttaa aattctggat aaagcgtcga 120
 taaaatgatg caagaccaag gaaagatctc acctccgaaa ctgttgtagg gctcggccaa 180
 gtcttgatag catccacttt tgtttgatca acggatactc catctttaga caccacatat 240
 ccaagaaaca cca 253

<210> 6724
 <211> 247
 <212> DNA
 <213> Glycine max

<400> 6724

ttatcttttt cccatatgct atacgcgtca tcttggttcc aaagaaggac ggaactcgaa 60
 gaatgtagat agattgtaga gccatcaaca acatcgctgt aaggtataga catcttatcc 120

ctagacttta tgacttgta gatgagttgc atggttctag ttatttctcc aaaattgatt 180
 tgaaaagtat ttaccaacaa attagaatga gaaaaggta tgagtggaaa accgctttta 240
 aaactaa 247

<210> 6725
 <211> 250
 <212> DNA
 <213> Glycine max

<400> 6725

agcttttttt aatttaaaat tgtcataact tttcactcgg atgtccgatt caagcacatc 60
 agatatctag acgctcgaaa ttgaacaatg gaagctctcg agaatttaaa attgtcataa 120
 cttttcactc ggatgtccga ttcaggaaca tcatatatct agacgctcga aattaaacaa 180
 cggaacctct cgagaaattc aattgggtcat aacttttcac tcggatgtcc gattcaggcg 240
 cataatatat 250

<210> 6726
 <211> 247
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6726

ttttatanct cttcacccta ttgtgccttt caatgttccc catgtctcta tcaaagacac 60
 aatagttgga aactacctaa tcccaaaggg tagtcacata ttgttaagta gacaagaaat 120
 tgggcgaaac caaaaagttt ggggttaacg aagctcacia gttcaagcca gaacgtcacc 180
 tgataatgaa taagagtga gttgttggtt tgacggagcc agatttgaag tttattttgt 240
 tcagcac 247

<210> 6727
 <211> 247
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6727

atttattttt ttttgnacaa gaatgaagct ctgattccac gtgttacaca agtggcctca 60

tatatcttaa gaaggggggg ttgaattaag atattccaaa ctgtttcccc taattaaaaa 120
tctatttcac tttttactca agttatgaat tcccttaatg acaatcttct taaatattaa 180
ttcaaagtaa gcaacttgaa tatgaatata aagcaataat aactaaagga gattaaggga 240
acagaaa 247

<210> 6728
<211> 250
<212> DNA
<213> Glycine max

<400> 6728

agcttttatt atctcattat ggtctcaagc aggccccag gcaatgggtt gaaaggcttc 60
agactacctt acttcagttt gggtttgtgg caagtaaagtg tgatctctct ctgttcattt 120
acaagaccaa gtctcacact gtatatctcc ttgtgtatgt tgatgatatt ataattactg 180
gaagttctat tcctttaatt caacatctta cctctcagtt gaactcaaaa ttctctctca 240
aacagcttgg 250

<210> 6729
<211> 203
<212> DNA
<213> Glycine max

<400> 6729

atctctataa atactatgct agaggccacc atgaacctga cacctcactt attacaagtg 60
gtcaactttt aaggaaaatc tgatattaat aggaatgaag tgagcagact tagtcaatct 120
atcaacaatt acccaaataa aatctaaacc tctatgggtt ctaggtagtc ctaccacaaa 180
atccatggaa atactgtccc act 203

<210> 6730
<211> 360
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6730

agctagagct tatctacaca tacctctcta atagctaagc tcacctcctt gagatgagaa 60

gctagagctt aagtacacac cncctataat agctaagctc acccccatga caaaaaaaca 120
 tganaataact aaaaaattct ttactacaaa gactactcaa aatgccccga aatacaaggc 180
 taaaacccta tactactaga atggccaaaa tacaaggctc agacgaagga aatacctatt 240
 ctaatattta caaagataag cgggctcata cttagcccat ggactcgaaa tctaccctaa 300
 ggctcatgag aaccctaggg ccttccttg gatctctagc caatctactt ggagtcttct 360

<210> 6731
 <211> 344
 <212> DNA
 <213> Glycine max

<400> 6731

attcctaata tctctacaat tgccctacctc tcaatgagct ggtaaagaag catgtggcat 60
 ttacctgtgg tgaataacaa gagcaagcct ttgctttgct caaagaatag cttactaatg 120
 cacctgttct agctcttctt gactattcta aaacttttga gctagaatgt gatgcctccg 180
 gagtgggagt tggagctgtc ttgttactag ggtgatgcct catgggctat acacatccct 240
 acccattcca tctgcaccgt gggtagacat tagtatggac tttgttgtgg catccctaaa 300
 ttaatgacta gtttaaagt ataaattaaa tagcataacc atgg 344

<210> 6732
 <211> 174
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6732

caacatcaga ccacttnatg gtgctggaac tacttcacat gtacttgatg gggcctatgc 60
 aagttgaaag ccttgatga aagaggatg cctatgtagt tgtggatgat atctccaaat 120
 ttacctgngt caactttatc agagagatat cagacacctc tgaagtattc taag 174

<210> 6733
 <211> 454
 <212> DNA
 <213> Glycine max

<400> 6733

agcttgggta tctccttctt tatccctgag aaccaccggg ttgagtcttc tctgtggctg 60

tcttactggt ttagctccat cctctaaatt tattcgatgc atacatgtgg atgggctaata 120
accaggaatg tccgccaggg tccatcctat agccttctta tgcttcttga gaactgacaa 180
caacttctcc tcttgctcat cagcaaggga ggcagatata atcactggaa aactcttgct 240
atcatccaag taagcgtaat ttaaatttga tggcagaggc ttcaattctg gcgtggtcgg 300
ctggacagtg gtagaatgag atggtttctc agccttgacc tcataaagaa agtcagaggt 360
atgtgccatc tcttgaacat ggtagtcct atctgactct ataaaatcat ctcagaggt 420
aaacaccacc atcagcatgc aatcaatatc actc 454

<210> 6734
<211> 294
<212> DNA
<213> Glycine max

<400> 6734
gtgcaagctt taatttatac ttgagaagta ttgagtgata tttatagcta actaaccatt 60
aattaattcc ttttatcttt tcttggtttat attttattta attggttgct atataaatat 120
tatgtcaata gtttatatga ttatcacgctc aataactaata tgtcatgtta actagcgagc 180
aatcttgact ttggacggtg aaccaatgaa aagattaaaa ttatttattt tacaacataa 240
aagaattaac atcacatatt taatatataa agaatcaaga ttgaatttaa caaa 294

<210> 6735
<211> 297
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6735

gcttcaatac ctctcacaga ggagaagaca aagtaaataa ggtgtgtctc caaactctaa 60
tatgtgagtt tgaatcctta catatgaaag agtcagagtc catttctgat tattntntcaa 120
gaattctcac tatttcaaata caactaaaaa gaaatggtga gaaagtagat gatgtaaaat 180
tatggagaag atactatgct tactagattc caaattgagc acattgtgtg acaatcgagg 240
gaaccaagat ttagaaccat gatgatagaa caacttcagg atcactacag tttatga 297

<210> 6736

<211> 471
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6736

ttttttatgc atcgcttgat tctctgttnt aatggtttgtg cctagtccaa ttttttttat 60
 tattgtcttt tattaactc atttcatgat atnttgnnaa gtgatgcata tcaagctatt 120
 ggctactaaa attttcttac ctcatgattt attcaagtca atagtgaat agcaatgggt 180
 gcaaccattt ccccaatttc tgcataccga aactcccagt tcaatattag tgtacttata 240
 tggaaggtat aatcccaaga atcttcctag tgattaatct gcaaattggaa accagccttt 300
 aagcatcttg ggtctcatct cattattctt ccgactaggt gtatggcatg cggaccacta 360
 taatgtctca agtggtttgga ttcttcaaaa cccctatcat ctaacaagca tntgtatgaa 420
 acaagacatg tggagatcca agcctatgta tgctaattca tagctaatat g 471

<210> 6737
 <211> 384
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6737

gaaccatgta cattgtggag attgtgtgac tacatggcta cctcttgagc atagtgccaa 60
 atagagacct ttngtttacc tctaggttnt gggagagttt acaagaagcc atatagacta 120
 aagtggaaact tagttcatcc tatcaccctc aaatagatag ttaaaccgag agaactatct 180
 aatccttaga agaccttctt atagcttgtg cgattgaaca aaaaagtagt tggaacgagt 240
 gttaaccctt gtagagttac ctataataat aatatccatg ccagtacang gatggcacca 300
 tntgaagccc tgtttgggca gaagtgtaaa acacccttgt gtttgtatga gatagatgaa 360
 cctctcttgt aggtctagcg tggt 384

<210> 6738
 <211> 358
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6738

agctctgacc atttgaattg ctcanaagat tccgttggtt caatttcgaa catctcgata 60
tcttatgctc ctgaatcgga catcctagag aaaagttatg atcattcgaa ttgctcaaga 120
gcttccattg ctccatttcg aacgtctcga tatattatgc gcctgaatcg gacatccgag 180
tgaaaagctt gaccattnga actgctcaga cgatcccttg ttcattntcga acatttcata 240
tcttatgctc tcgatcggac atctgatgaa aagcttgacc attgaattgc tcaaagctcc 300
cttgtcaatt tcagcatctc gatatttata gcctgatcgg actccagtta aagtttga 358

<210> 6739
<211> 398
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 6739

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tgaataagaa tgtggcattc acttgggggtg aaagataaga gcaagccttt gctttgctta 120
aagaaatgtt cacaaagaca tttgttttag ctcttctga cttttctaaa acttttgagc 180
tcgaatgtga tgcctctaga gtgggtgtgg gagctgtatt tgtgcaagggt gggcacccta 240
tntttttttt tagtgaaaaa attcatgggtg ccaccctcaa ctaccgcacc tatgataaag 300
agctttatac cttaataaga gccctccaaa ctnangaaca ttaccttggt tccaanggaa 360
ttgtcattcg tagtgatcat gatattctta tgtacatt 398

<210> 6740
<211> 433
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 6740

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aacactcatc ctcttgctga actacctgtg gctaagcgag gctgaatcgc taagcccagg 120
taacttaacc atnnTTTTTT gtgatagcca catggttagac aagtggcctc agatatctta 180
agaagggggg ttgaattaag atatcccata ctacttcccc aattaaaaat ctatntatct 240
ttttattcaa attataaatt cccttaacaa tgaacttctt aaatattgat tcaaataaaa 300

caagttgaat atgaatataa agcaataata aataaaggag tttaagggaa gagatagtgc 360
 aaactcatat ttatactggg tctgccacac ccttgagcct acgtacagtc ctcaagcaac 420
 ccgcttgaga gtt 433

<210> 6741
 <211> 360
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6741

ntagatgcct ntaangtttt tatggctgaa gttgagaaaa atgttgaaaa caaattaaga 60
 tctgtagata agatagaggt ggtgagtact atggtagata catagaggat ggacaaacac 120
 caggttcatt tgcgaaatct cttcaagaac atgagattgt tgcccaatac actatgcctg 180
 gttctccgga tctgaatggg gtgacagaac aaagaaatcg aaccttatta gacatgggtga 240
 gaagcatcag gagtaatgta aagcttcctc aattcttatg gattgatgct cttagacgg 300
 ttatgtatat attaaaccga gttccaacca aggggtgtctc aaagacatct tttgatgtat 360

<210> 6742
 <211> 380
 <212> DNA
 <213> Glycine max
 <400> 6742

atgcactcct ctaatgttta tggcatcatt tctggcacta aactgctggg agttggagggc 60
 catcttctca attaaatttc tggtctcaac aggagtcag tctccaaggg ctccaccact 120
 ggcagcatct atcactcttc tctccatatt actgagtcct tcataaaaaat attggagaag 180
 aagctgttct gaaatctgat ggtgggggca actggcacat agtttcttaa atctctccca 240
 gtactcatac aggctctctc cactgagttg tctaatacct gagatatacct tcttgatggc 300
 tgtggctctg gaagcaggga aaatattttc taagaatact ctcttaaagt catcccagct 360
 cgtgatggac cttggagcaa 380

<210> 6743
 <211> 247
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6743

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gcctaggatc ttcttcatta atggatccct ttgcttcttg gaagatgaat ggcagcggaa 120
tgagaaaaga agagagagag aggagatgcc acttcaagga gaagatgagt ctagannaag 180
ctcaccacca taggaggcca tggataagag cttggaggaa gaaggagatg aatgaaggga 240
gaggaag 247

<210> 6744

<211> 199

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6744

agctatagtc ttcattgtga tgatgctgtg cccctattt aacagggtgn gaaaggttct 60
attatttgaa ctcaaccaac ccatacatat gattaaatnt attattatat atgaattaat 120
tataaatata aaacaccatt aaatttagct cacatcactt attaaaatat taaattaaat 180
cactcatgct cttccttca 199

<210> 6745

<211> 350

<212> DNA

<213> Glycine max

<400> 6745

attgagatgc tagatattga gaaatggaag ttctcgtaaa ttcaattggt cataactttt 60
cactcggatg tcagattcaa gagcaaaata tacagagacg ctcgaaattg aacaacggat 120
gctctctaga aatataaatg gtaaaatttt ttcatatgga tggttatattc agacacataa 180
tatatcgaga cgttcgagat tcaagaattc aaaaattaaa gttctcaaga tatatagaga 240
tgaaaaatta tgaccatggg tgtacgattg agacccatga tatatcgata tgctcaaaat 300
tcataaattg gtccaattca taaattcaaa gagcccttac ttttgacatg 350

<210> 6746

<211> 379
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6746

gagaggatat atataagcta tgctaaccaa gccatctagg gagaaagaag gttgtcttcg 60
 aaccgggaga ttgcgtttgg gtgcacatga gaaaagaaag gtttccgaaa canagganat 120
 cacagcttca accaagggga gatggacat ttcaagtgt tganagaatc aatgacaatg 180
 cttacaaagt tgagctgccc ggtgagtata atgttagttc caccttcaat ggtctctgat 240
 tatctctttt tgatgcagat ggagaattcg atttgaggac aaatccttct catgagggag 300
 agaatgatga ggacatgacc aagagcaagg gcanggatcc acttgaagga cttgangacc 360
 tatgacangg ctagagcag 379

<210> 6747
 <211> 305
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6747

tctgtccctg agaaacgggt cccagaagac aacaggaggt gattattgct gaanacccta 60
 gccttgcaac aagtcctatg gaagtagaca cggagatgga caagaaaatc cgcagtattg 120
 tgagtagcat nttgaaagac gcctctgttc ctgatgctga gaaagatgtt ccaacatcct 180
 ccaccccaga tgttgttgtc cctgaagctg atgaagatgt cccaacatct tccaccccga 240
 atgtttctgt gcctgatgtt gagaaagaat gttcaacatt ttcggccca catgctgaag 300
 tactc 305

<210> 6748
 <211> 369
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6748

tctgcatcat atttctgcat ccatcaagat tagtagttga gtgttccacc atgtattctg 60
 cccaatgctg agactacatt atctgtcaag ttccagtaac caatgaggtt tacattgaca 120

agcttagcct aacaattatg caaaaggtgg agaagaccaa catcatttat ggcataagagt 180
 ttagtcagat taagatgctg aagtcaagga cacaatttga acaattatga cttgggtagc 240
 attgataaaa ccaagtcacn tttgaattac taaaggtcga agagactcgc aaggagaaaag 300
 catatacact tccatatcga tatctttgac tcccatgcac ttcacaaggg aaagaganga 360
 actttattt 369

<210> 6749
 <211> 455
 <212> DNA
 <213> Glycine max

<400> 6749

cgccccggat ccttaagcac cgcggctgca gcttatgcaa gattttgtga ttcttcaaatt 60
 aaaggaaaaga gagacagtga atgcatattt ttcttgtagt ctaaccataa ccaacaaaat 120
 gaaggctcat ggtggagtga aacagtcatt attgcaaaga ttttgagatc aatggtctca 180
 aaatttgatt atgtggtatg ctcaattgaa gaatccaaca acttagacat gatgagtatt 240
 gaggagttgc aaagttagtct ttttgttcat gagaagagga tgagaagttg tggagaagaa 300
 gagcaggttt taaagatctc ccacgaagaa aaagcaggta gaggtagagg cagaggaagc 360
 ggaagacaat cattcaataa agttgctatt gaatttttca aatgtcacia gttaggacac 420
 tatcaatatg aatgtcttga ttgtgagaaa gatgc 455

<210> 6750
 <211> 353
 <212> DNA
 <213> Glycine max

<400> 6750

tgatgagaaa agttacatga attggcacca gcaagttaat gctgtccttc gagtcatca 60
 attagaaaaa tatgtcgtca atcctgttgt tctctcaag tacctctccg aagaagatcg 120
 tgcagctggg acaatcaatc cagaatttac gaattgggat cgtcaagatg ctctaatcat 180
 gtcttggttt ctttctacgc tttctgattc aattctcagt cgtgttgtga cttgttgtca 240
 ttcattccaa gtctggaatg ccatttgctc ccattttcat ggtcttacgc gtgcaagaac 300
 tacgcaatta cgcttggaac tgcgaaccat caagaaaggc aacaaatctt gca 353

<210> 6751
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 6751

agctataggc aaattctaac gacaatatct ttctactcgg atgtctgatt gagtcccgta 60
 atatatcaag acgctcgata ttgaatgttg aacctatgag ccaattcaaa cgacaataac 120
 tatttaatcg gatgtctgat tgagtcccgat aatatatcga gacgctcgaa attgaatggt 180
 gaagcttttag gcaaattcaa acgacaataa ctatttactc ggatgtctaa ttgagtcccg 240
 taatatatcg agacgctcga aattgaatgt tgaacctatg agccaattca aacgacaata 300
 actttttact cggatgtctg attgagtcctc ataatatatc gagacgctcg aaattgaatg 360
 ttgaacctct gagccaattc agacgacaat aactttgtac tcggatgtgc gattcagtggt 420

<210> 6752
 <211> 247
 <212> DNA
 <213> Glycine max

<400> 6752

aaacttgaat taacctgtaa ctagctatct ttgtattcat tgtaactaac ggagaaacta 60
 aatttccact taatatgaga agatgtacct ttatgagac cttattgcta ctaccattta 120
 gcattctctgg cgccatccat agaagatttc cacgaacacc accacacacc aacgtatttc 180
 gcttaattctt tgataagcca taatcaccat cctgggtgaaa agcaagtctc ttagctgtat 240
 cacaatg 247

<210> 6753
 <211> 330
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6753

taataagtcc atctatggat tgaacaagc ctctgctag tggatattta aatttcatga 60
 gggtattttct tcattcagct ttgaagagaa tgatcatggat cactgtatat actagaaggt 120

cagtgggagt aagatttgtt tccttgtatt atacatagat gatattctac ttgcgactaa 180
 tgataagggt atgctatatg agngaaaca atttctctca aagaactttg atatgaagga 240
 tatgggagag gcattctatg tcataggcat aaagatccat aaagaaagat ctgaggcat 300
 tttaggcttg tctcaagaaa cctatatcaa 330

<210> 6754
 <211> 286
 <212> DNA
 <213> Glycine max

<400> 6754

ttcaattggg ttctggaatg gccatcaaag gcctatttat ttgtaactgg aaacacgaat 60
 ttgctaaaag tttttaaacc aaaaaggctt tatcttttaa aaagcaaat cgtgttatcc 120
 tcttacaag ttccttgcc aaaacacttg tgattcaata aggaattatt tgagtgtca 180
 aattgttcaa tctatctctt tcaagagaga tttcatcttc tcttctctg tattctgaaa 240
 aaggataaag agaccgaggg tctcttgttg taagaaaatc tgaaca 286

<210> 6755
 <211> 347
 <212> DNA
 <213> Glycine max

<400> 6755

tggatttctt tttagtaggg aatctatcct tctaagatg gagccaaacc cagtcaccct 60
 cattaagaac tagctctttt ctctctctat tgcctttagt tgaatacacc tttgtttgat 120
 tctctatttg gttcttaacc ctctcatgca tcttctttac aaattctgac ctagattccc 180
 cttctttatg tataaaagaa gtgtccagtg ggaggggaat gaggtctaac ggtgttaggg 240
 gattgaaccc atagacaacc tcaaaagggg actgcttggg ggttctatga acccccctgt 300
 tgtaggcaaa ttctacatga ggaagatact catcccaaga cttatgg 347

<210> 6756
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6756

agcttgtgaa agatgtcttc ttaggaagca acacacataa tcatntttta ctgaaaaagc 60
 atggaaagct aaaggcttgt tggagtaa atcactgac atctatggaa caatgaggac 120
 atagtcgctc aacaacaata ggtacttcat ccttttcatt gatgacttct ctagaatgac 180
 atggggtttac tttcttaaag aaaaatcaga agtctttgga atattcaaga agatcaaagc 240
 ctttgtcaag aaacaaagt ggaagcatat aaaagtactc agaagcgatt gaggcaagga 300
 atacaacttt catgagtttg ataagttttg agaagatgaa ggcattgagt gtcagcttac 360
 agtggcatat tcttcacaac aaaatgggtg gcctaagaga aagaattgaa cagtcatg 418

<210> 6757
 <211> 425
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6757

agctntgtgc agcatggatg atctgcatag tattattgat catatgttga atacaagatt 60
 gcatacaaag tgctctatat ccagcttaac aaacttagta actgattcta ctctaactaa 120
 ttgctaacta atctaactat cctctaactg aaaataacta actctatttt ctgcatagag 180
 ctttaatacc cctctcaagt tggagagtaa atgttaatga gtcccaactt gcggataaag 240
 gaagagaaag ctagaagcat taagggtttt gtgaagatat caacaacttg atgttgggat 300
 ttcacatgag caagcttaag gttgttggac tgcactaact cacaatgaa gtgataatca 360
 atatcaatgt gtttggatcg ttcattggtga gttggattag aagctagatc aattgcagat 420
 ttgct 425

<210> 6758
 <211> 345
 <212> DNA
 <213> Glycine max
 <400> 6758

tcccaagaaa ccttggacct gcttatcggt acatggctcg ggcattctga ggattgcttt 60
 taccttgtct ggatccacct ctattccttt ctggctaacg acaaagtcga gcaatttttt 120
 tgattttacc tcgaacgtgc actttgcggg atttaccctt aacctgtatt tatgcagtcg 180

cccgaacaac attcgcaaat tgactagggtg ttctactcc gtccttgatt tggcgatcat 240
 gtcacccacg tagacctcga tctctttatg gatcatgtca tggaataacg ccaccattgc 300
 ctgctggtat gttgccccaa cgttctttag cccaaatgac atcac 345

<210> 6759
 <211> 308
 <212> DNA
 <213> Glycine max

<400> 6759

tcagttttaa atgtcgagcg tctcgatata ttactcgact caatccgact ttcgagtga 60
 aagttattgt cgtagaatt tgctacgac ttcgatttta aatttcgagc gtctcaacaa 120
 gttactggac tcaatctaac ttccgagtga aaatttttgt cgttcgaatt tgctacgagc 180
 ttcgatttta aatttcgagc gtctcgatat atttcaggac tcaatcgagc ttccgagcga 240
 aaagctatag tcgttcgaat ttgctgagc cttccgtttt caaattagag cgtctcgaga 300
 tattaccg 308

<210> 6760
 <211> 428
 <212> DNA
 <213> Glycine max

<400> 6760

agcttgcagc aaattctaac gacaataact ttctactctg tagtgcgatt gagtcccgt 60
 atatatcgac acgctcgaaa tttaaaaccg aagctcatag caaattcgaa cgacaataac 120
 ttttcattcg gaagtctgaa tgagtcccat aacatatcga gatgcttaaa atagaaaacc 180
 gaagcttggtg caaattcgaa cgacaataac tgtttactcg gatgtgcgat tgagccccgt 240
 aatatataga gacgctcgaa atttaaaacc gaagctcgca gcatattcta acgacaataa 300
 cttttcactc ggaagtccga tggagtcttg tcaactatcg agacgctcga aacttaaaac 360
 cgaagctcgt agcaaatacg aacgacaata acttttaatt cggaagtccg attgagtccc 420
 gtaacata 428

<210> 6761
 <211> 344
 <212> DNA

<213> Glycine max

<400> 6761

tgtgcatcca ataccctgat gaggatgtcc catatgttct taaaactgga ctgattcatt 60
tgcttccaaa gtttcatggc cttgcaggtg aagaccgcga caaacatttg aaagaatttc 120
acattgtctg ctccaccatg aaacccttag atgtccaaga ggatcacata tttctgaagg 180
cttttctca ttcattagag ggagtggcaa aggactggct gtattacctt gctccaaggt 240
ccatcacgag ctgggatgac cttagagag tattcttaga aaaagttttc cctgcttcca 300
ggaccacaac catcaggaag gatatctcag gtattagaca actc 344

<210> 6762

<211> 357

<212> DNA

<213> Glycine max

<400> 6762

ttcttgtgtt gcttatgtag agcactgcaa tgctatttta caatcaccgg cagcacaccc 60
cgaattcata attgtcaaca atctcattct tcaccagaag cgcatttggc taccacggga 120
tttccagatg atccccacct tgctcaccga gtttcacttg actccgacag ggggtcacat 180
gggcatagcc aagacccttg cccagatata agagaacttt agttggccag gtctccataa 240
tgatgtgaga aaattcattg cccaatgcgt tgattgtcaa cacaccaagt ataaaactaa 300
gaaaagtgtc ggggtgttgt gcccgttgcc agtgccgcat cgggcatggg aagaact 357

<210> 6763

<211> 420

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6763

agctnttgcc acaaaacaca ttgtttccaa catccaaggc tctggttatt gattaccagg 60
cagtgtaatc gattaccaga agacaatttt gaagcaaagg gttntgaatt tcaattttga 120
atcatgtaat cgattaccag atgtttgtaa tcgattacca gcaatggcac ttagaaaaac 180
actttgaaaa gacacgaccc ttcaaaatat aactgtgtaa ttgattacta gaaaccttta 240
atcgattacc agtgaagaat ttcagaaaaa agtttttgaa aagacacata tcttcaaacc 300

tttttgaaaa ggcaccaagg gcctatatat atgtgtgtct cacttagaaa agcaggagag 360
 agatattcta agagaactta atttccaaat gctctctcaa caactcttgg gcaaacactt 420

<210> 6764
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 6764

agctttgatg caacagttgg agaggttatt ggaagaagga gatgatgccc tccatgagag 60
 gttggatcaa atggagaata tagatcataa tgaagaagaa aggaggagaa gaggggaatga 120
 tgatgttcct agacaaaacc gaattgatgg tattaaactc aacattcctc tctttaaagg 180
 aaagaatgat ccaaaggcct acttggaatg ggagatgaaa atagagcatg ttttctcatg 240
 caaaaactat gaggaggacc aaaaggtcac gcttgccgcc acggagtttt ccgactatgc 300
 tcttgtgtgg tggaacaagc tacaaaagga gagaacaaga aatgaagagt caatgggtga 360
 tacatgggcg gagatgaaaa ggatcatgag gaagcggat gtgccggcta gttactcaag 420
 ggact 425

<210> 6765
 <211> 341
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6765

tgaaggtaaa ctagatgcct tggntaacct ggtaacccaa ctgaccatga atcanaaatc 60
 tgcacctgcc gccagactct gtggtttatg ctctctgcc gaccaccaca cagaccttta 120
 cccttctgtg caacaatctg aagcaattga acaacctgaa gcttatgctg caaacatcta 180
 caacagacct cctcaacctc aacagcaaaa tcagccacaa cagaataatt aagacctctc 240
 cagcaacagg tacaatcctg gatggaggag tcatcccaac cttagatggt cgaatccttc 300
 acaacaacag gagcaccaac aaacaacttt ttttcaaag c 341

<210> 6766
 <211> 342
 <212> DNA

<213> Glycine max

<400> 6766

tgaaggcaaa ctggatgcat tgggttaactt ggtaaccag ctggccttga accataaatc 60
tgtacctgtt gcaaggggtt gtgggttgtg ctctctgct gaccaccata cagacctttg 120
cccttccatg cagcaacctg gagcaattga gcagcccgaa gcttatgctg caaatattta 180
caatagacat cctcaacctc agcatcaaaa tcaaccacag caaaacaatt atgacctctc 240
cagcaacaga tacaaccctg gatggaggaa tcacctaat ctcagatggt ctagccctca 300
gcaacaacaa cagcagcctg ctcttctctt tcaaaatgct gc 342

<210> 6767

<211> 426

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6767

agcttgcaat ctatttaagt acctgcgtgg ttattaaaaa attatatcat actattctct 60
aattttatta ttttgaatta cctatattat ttttatgttt taaacaaact aaattttttc 120
ttaaaaataa acacgttggc aattcgggtt ggcagggtct gaattctgaa cggttttgtt 180
gcaaattatc ttgaaaataa caatgtaaatt ttcgatcttc taaccggaat ttacactttg 240
aatagtaaac ttgtatgttt gtgtaaataa tgagaaaata tgtatgtttg aatatataat 300
ttttttataa atgtatgttt ctcaaaaaat ttctattctt gcaaaataaa ttataaccat 360
aatttaatat aactctttat acaatatact tatgttttac gataacatta aaatntggaa 420
attatt 426

<210> 6768

<211> 366

<212> DNA

<213> Glycine max

<400> 6768

agcttgtaaa gtgtgggaag aggatttgat tgttcaataa gaagaatcta cttcaaccga 60
tatgccctta ggcacggcat tacataacat ataaatgact ctccgatagg gaggacactt 120
atctatagca tcaggtgctg tatcgaatct cattgcacaa caggggaaat ggtccacgat 180

acaactacct tttggggagg tcgcgttgat ttccgaaaac tgctcggcca cagtcggaca 240
 agtgggaaat gttgtattaa gccaaaaaaa tttatgtaga tccggatcta aatgtaggat 300
 atgtaagcgt actgtattaa gaggagtagt tatgataccc ctagaccatg cccatggggg 360
 tgggtga 366

<210> 6769
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 6769

ctaacaagag ttttcattgc ccacaaagtt tatcctctca aaagattaag agtttttctg 60
 aactgaactg tcttatactc tcaaaaagat tccttggtca accacttgca tattcaataa 120
 ggaattttga ttggtcttca ttgtacaatc tatccctttt aagagagatt tcttcttctc 180
 ttcttcttac ttctgaaaag ggattaagag accgtgggtc tcttggtgta ggggattctt 240
 gaacacaagg gaagggttgt ccctatgtgc attgttaatc cgaaaagaga gagtgaaggt 300
 ttaattgcgg aataatattc gtatcttaat tcaatccctt cttcttctca aggtaaccga 360
 ggccatttgt ccaacatcct attcttgaca actcgct 397

<210> 6770
 <211> 455
 <212> DNA
 <213> Glycine max

<400> 6770

gatcttaagt cacctgcggc atgcaagctt gcaaaccaaa tgctcaccac tattagagga 60
 gaaatcttta agttgtttca tataaacctc ctctctctaa tcaccattaa gaaaagttgt 120
 ttccacatcc atctgttgca actcaaggtc aaaatgagaa actaatgcca agataatacg 180
 aagagaatct ttcttagata ctggagaaaa tgtctttgtg taatctatc cttccttttg 240
 agtaaattcc tcaacaacaa gtcttgctt gtatctctca atgttgctta atgaatccct 300
 tttggtctta aataccatt tacatctaag ggcctttgcc ccattaggca tctttacaag 360
 gttccaaact ttgttactct gcatggaatt catctcatcc ttcattggcat cataccataa 420
 atttgactct ttacaactcg tggcttgatc aaaag 455

<210> 6771
 <211> 436
 <212> DNA
 <213> Glycine max

<400> 6771

agcttgtgga ttatgggtag tgatggaagg gtgagaaagg atggtagggg caataatggt 60
 aagagaaagc agttctcata aaaaatgaca ttttgagaca cttcaatggg tcgtgtatga 120
 agattgtaca caatgtaacc tttcttgtgg gatttaaata ccaaaaacac acaaggtaag 180
 gctctaggat ccaacttttt tctgttagca ttgagagtgc taatgtaaca tagacaacca 240
 aaaactcaaa gtaaattaac atcatataat gcagaataga gtttttgata tgggggactca 300
 tttttcagaa aattttagg aatgatattt atcaaagtag caacatgaag taaagcatag 360
 gacaaaaaaa tgtttggaag gttaaattga aacaaaaggg cccgagttac attaagtaaa 420
 tattgatggt ttcttt 436

<210> 6772
 <211> 339
 <212> DNA
 <213> Glycine max

<400> 6772

ttgggaggaa catggacaag gatgctatcc gaccatttag tttctagact tcttggacgt 60
 tggtcgggat ctacatctcc agtatggcag tgcatttggt agggttggct tcaatcccc 120
 ggtgagtgat catgaaacca aggaacttgc cttcacctac cctaaaagta catttttcaa 180
 ggttgaagtg catgtcatat ttgcggaatt ccccgagac ttcttctagg ttgcccacat 240
 gttgagttat gctttgaaac ttgatgacca tgccatccac atataccttg acatttagtc 300
 caatctactg tcataacttg cgaatgatga tgggagcct 339

<210> 6773
 <211> 259
 <212> DNA
 <213> Glycine max

<400> 6773

ttgcatcccc ctaagatcca ttaggaaatt acttgtgaaa gagagccatg aggggtgggt 60

catgggccac tttgtgatag acaataccct tgtcttactc aaagaaaagc tctattggcc 120
ccatatgaag aaagatgttc ataagcattg cactacgtgt gtggcttggt tacaagccac 180
ctctatggcg atgcctcatg ggctattcac acccttacct atcccatctg caccttgggt 240
agacattatt atggacatt 259

<210> 6774
<211> 331
<212> DNA
<213> Glycine max

<400> 6774

tgtttaagaa gagcgagtcc taattccaca atatgtttgt gtttcctttc cactacacca 60
ttttgggtgat gagtgtgtgg acagatcaat ctaagagtga taccttggct tgctaaaaaa 120
ttagtgagag gtctgaactc tctctctcaa tctgtgtgaa cactcttaat tttggagtca 180
aactgaagtt cattagcttg aactgttgaa aaatggtgaa ggtttctgac ttatgtttaa 240
gcaaatagat ccagggtgaac ctagactagg catcaacaaa ggttatgtaa tagtaaaaac 300
catttttggga aagaatgtgg acaggacccc a 331

<210> 6775
<211> 422
<212> DNA
<213> Glycine max

<400> 6775

agcttaacaa aaggcatgcg aagtgggtgg aattcctaga gcaattccct tatgttatca 60
aacataaaaa gggaaaaggt aatattgtag ccgatgctct ttctcggcgt catgcattac 120
tttctatgct tgaaacaaaa ttgattggtc ttgaatgttt gaaaagcatg tatgaaaatg 180
atgaaacttt tgcagaaatt tttaaaaatt gtgaaaaatt ttcagaaaat ggtttcttta 240
gacatgaagg ctttcttttc aaagaaaaca aattgtgtgt gcctaaatgt tctactagaa 300
atttgcttgt ttgtgaagca catgaaggag gtttaatggg gcattttggg gtccaaaaga 360
ctctagatac attacaagaa catttttatt ggctcatat gaaaaaggat gtgcagaaat 420
tt 422

<210> 6776
 <211> 352
 <212> DNA
 <213> Glycine max

<400> 6776

tgaaggtaaa ctagatgcct tggtaaacct ggtaacccaa ctggccatga atcaaaaatc 60
 tacacctgtc gccagactct atggtttatg ctectctgcc gaccaccaca cagacctttg 120
 cccttctgtg caacaatctg aagcaattga acagcctaaa gcttatgcta caaacatcta 180
 caacagacct ccttaacctc agcagcaaaa tcagccacaa cagaataatt atgacctctc 240
 cagcaacagg tacaatcccg agtggagaat catcccaacc ttagatgggc gaatccttca 300
 caacaacagc agcaacaaca acaaccttat tttcaaatg ctgctggccc aa 352

<210> 6777
 <211> 326
 <212> DNA
 <213> Glycine max

<400> 6777

tgatttcctt accaagcctc ttacattatc acctcgaca gaaacatcag tcattaatgg 60
 aacttatagg ggatttatgg aaattatact gcagaacaat gatactaaga tgcataccta 120
 tcacatgagt ggatatgcat tttttgttgt cgggtactgg ctaactcctc ttttatgatg 180
 ccattccatg tttctggaac caataacaca acttgattta gtaggctgca cgatagattt 240
 tgggtgattgg tcttagaata gcaagggtac atataacaag tgggatggaa tagctcgac 300
 tacagcccaa gtatatatat atttat 326

<210> 6778
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 6778

agctttaatg tgttttcctt tgtataacta ctaactgcag taacagattc tcctgaaatc 60
 tgttgagtcc cacatcgagt agaagtggaa aggttgagca ccatataagt gaggagaaga 120
 cccataaatc tgagccttaa gggtttgggt tagagtgtga tgtcagatct ccttatgtgg 180
 tggctcgtgg tccacaggtg taccctcga atctcccaa caattggtat ctgagctgat 240

ggttcaagtt ggtgaccggc tcagacgagt atgcaagtac tgcaggtggc caaaatggct 300
 agcggcacag cgtgccccgc aggtggagcg gaggggccag aatggctagc gggcaaggca 360
 agtaccgcag gtggccatgg ctatacttgt ggatgataaa gacttccgct agaggg 416

<210> 6779
 <211> 349
 <212> DNA
 <213> Glycine max

<400> 6779

tcttcttgac tcatcttttc cttgaagtgg cgtctccaat catctttctt ccttcttcat 60
 tatgctgcc a ttaaacttca agaagaaaag gactccattg atgaagaaga tgcaaggcct 120
 acacgttcca caaggagcta cataataatt acatattaaa agctcagaga aaccgcccac 180
 attcctttat aaacacctta gatcaaggta acagtctatc tccactatct ttacaatctt 240
 tcaaaaatct tcaagatttc tcttagaaaa agatcacaaa aaccctaatt atcttcacaa 300
 aatcactatg acatgctaca gcaaaaacac taatcctgcc atgtccatc 349

<210> 6780
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6780

agctttctcc accaagttgc ctgatgcctg aaatgtcttn tttgatggta gtggtcctag 60
 atgcagggaa gaatttctcc aagaacaccc tcttaaggte atcccagctg aaaatagacc 120
 tgagagcaag gtagtataac caatcttttg ccaactccctc cagagaatga ggaaaagcct 180
 tttgaaagat atgatcttct tggacatcag ggggcttgat ggtgaaacaa acaatatgga 240
 actccttaag atgcttataa ggatcttcac ctgcaagacc atgaaacttg ggcagcaaat 300
 gtattagtcc agtcttgaga acatatggaa cacccttacc aggatattga atgcataagc 360
 tntcataagt gaaatcaagt gcagccatct ccctaagagt cctatcacg 409

<210> 6781
 <211> 246
 <212> DNA

<213> Glycine max

<400> 6781

taatatatcg agacgataaa atttttcaac ggtttctctc gtgagattaa aatgggcata 60
agttttaact cggatgtccg attcaggagc ttcacatata gagatgcacg aaattgaaca 120
ctggaagctc tagagaaatt ctaatgggtca taaattttca cacagaggac ctattcacgc 180
gcttaatata ttcagacgct cgaaattgaa caatggaagc tctcgagata ttactatggt 240
cataac 246

<210> 6782

<211> 410

<212> DNA

<213> Glycine max

<400> 6782

ctcaagcttg aagaatttac ataaaattgg ttatggggat gattctgcac cgaagttatc 60
ttatcgagaa ccccaaaagg cacctaattg gcattgctgtt atgcatgtta aggatatact 120
gcctcgaggc cttatcaact ctgggaatct atgttttctt aatgcaacca tgcacgctct 180
cttgtcatgc tcacctttcg ttcattttt acagcaatta agaactcgca accttcctaa 240
ggttagtttt tctgctgctg catgtcaact attaaccaat taactaatac tgccatgtac 300
aggtttttagc ttaacttata gatgagataa taacattaaa ggaataaaga cctaaaagat 360
gtattatgca ttcagatttc ccttatgcta gaaaattatt gaactgatat 410

<210> 6783

<211> 336

<212> DNA

<213> Glycine max

<400> 6783

tttgggtcgt acttccattg ctaagttcaa gtctttaaaa tctctcgatc aattgcaatt 60
ctttcaccat cataacgaac atatgcaagg acttcttgct caaagcattc gccacaatgt 120
tagccttgct gggatggtat gacaactcaa agtcataatc ctttagaaac tccatccatc 180
tctctgtct catgttttagc tctttttggt caaacaggta cttcaagctt ttgcgatcat 240
taaataattt gaatattgcc cgaaagagat aatgcatcca tatctttaac cataaaccat 300

tgttgccagc tctaagtcac gggtaggata gttcac

336

<210> 6784
<211> 250
<212> DNA
<213> Glycine max

<400> 6784

tttaatttcg agctcttgga tattatcttg actcaatcgg acatttgttt gaaaagttat 60
tgtaattcga atgcgctcat ggctacagta ttgcatttcg agcgtctcga tatattacgg 120
gactcaatcg gacattcgag taaaaagtta ttgttgcttg aatttgctca gagcttcggc 180
cttccatttc gagcatgtcg atatattacg ggactcactc tgacgtccga gtaaaaagtt 240
attgtcgttt 250

<210> 6785
<211> 406
<212> DNA
<213> Glycine max

<400> 6785

tctcgacata tgatgcgccc gaatcggaca tctctgtgaa atgttatgac catttaaatt 60
tcgcgagagt ttctgatgtt taatttcgag cgtatcgata tattataagc ctgagtcgta 120
catccgtgtg aaatgttatg accatttgaa tttctcaaga gcttctgttg ttcaatttcg 180
agcctctcga catatgatgc gcccgaaatcg gacatccgtg tgaaaagtta tggccatttg 240
aatttctcga gagcttcga tgtttaattt cgagcgtatc gatatattat aagcctgaat 300
cggacatccg tgtgaaaagt tatgaccatt tgaatttcac gagagattcc gttgttcaat 360
ttcgagcgtc tctatatgtg atgcgcctga attggacatt caagtg 406

<210> 6786
<211> 269
<212> DNA
<213> Glycine max

<400> 6786

ttgaattgga tgggctatcg attaagatgc ttctgaaca aaacacattg cccaaaaatc 60
acttcgaggc gaagaagaat ttatgtcctg tgggaatgga atacccaaag atccatgcat 120

gcactaatga ttgcatatta tacagaaatc aagttgcaga aatgcataag tgccccacat 180
 gtgggggtatc atggtacaaa gtccaagata acaaatttgt tgatgggtgca agcaaaagca 240
 atagtcattt agcaaagggtg tgctgggtat 269

<210> 6787
 <211> 252
 <212> DNA
 <213> Glycine max

<400> 6787

tctacatcag acttcttttca ggtgctggaa ctatttcaca tggacttgat ggggcctatg 60
 caagttgaaa gccttggagg aaagaagtat gcctatgttg gtgtggatga tttctccaga 120
 tttacctggg tcaactttat cagagaaaaa tcagacacct ttgaggtatt caaggagttg 180
 agtctaagac ttcaaagaga aaaggacagt gtcacatga gaacaggag tgatcatggc 240
 agagagttga aa 252

<210> 6788
 <211> 248
 <212> DNA
 <213> Glycine max

<400> 6788

tgcgagaaat tcaaattggc ataactttga actcggatgt cctattcagg tgcataatat 60
 atcgagacgt ttgaaattga acaatggaag ctcttgagca gttcaaattg tcataacttt 120
 tcactaggat gtccgattca ggcacataat atatcgagaa gctcgaaatt gaacaacgga 180
 agctctcgag aaattcaaatt gatcataact tttcacacgg atgtccgatt cacgcacata 240
 atatatcg 248

<210> 6789
 <211> 246
 <212> DNA
 <213> Glycine max

<400> 6789

tgggagcttc caagtgccaa ttcgtcttct tctttagtcc agtcttcttc tggcttcaat 60
 tcttcagtgg gctttccttc tgtgtccagc atcttgggat gttcccagcc tttgatgaca 120

gctttccagg ttctgctatc cagtgatttg aggaaggcca ccattcttgc tttccaatat 180
 tcatagttgc ttccatcaag aattgggtgg ctgttctactg gtccgccttc tttctccatg 240
 ttcatac 246

<210> 6790
 <211> 303
 <212> DNA
 <213> Glycine max

<400> 6790

ctcaagctgg agtccatgcg tcacgttttg gaccttttga tttacatgtt acaagctgtt 60
 aatccccggtg atcatgcagt aagttaaact gtactgcttg gctttcttga atcctccgtg 120
 ctactaagta aaataattaa atgtttgggt tttatgcttt gtaggctgta aaagacgaag 180
 ttattattga tcttgttgac cgctgtcgca caaaccagaa aaaattgatg cagatgctaa 240
 caactactgg gttagtcca ctcagctatt ccactctggca cacacccaaa tgtactgtgt 300
 gtt 303

<210> 6791
 <211> 300
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6791

tatgctgcaa atatttaca tagacctcct caacctcagc agttaaata accatcgag 60
 agcaattatg acctttccag caatagatac aacctggat ggtggaatca ccctaacctc 120
 agatgggtcca gccctcagca acaacaacag cagcctgctc cttccttccg aaatgctgct 180
 ggcccaagca gaccatacat tctccacca atccaacaac agcaacaacc ccagagacaa 240
 ccaacagttg aggccccctc acaaccttcc ctcanagaac ttgtgaggca aatgactatg 300

<210> 6792
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 6792

tctgaacaat ttttcaggca actgcaggga ttttcaatac acctcttatg tcagaaactt 60

tgatcactta aaaggaaaaa acttagataa aaagagcatg ttttaaaaaa aagaacattg 120
 atagtcacat caccggatgc catgattcat cattttcagc atgaccatga tgttggtgat 180
 gagtcctatg actgattctc ctgtataaaa tatcagtttc aaacatgaat tcaaaactaa 240
 aaaaaagagt aaaatgtggt tttatcccta caaatatctc aaaatttgat tttagtcctt 300
 acaaaaaata atatattttt agtctctaca tttatcaaaa ttaatgtggt tttagtcatt 360
 catcaagact aaaaaatctt attgttaaaa tgtagag 397

<210> 6793
 <211> 400
 <212> DNA
 <213> Glycine max

<400> 6793

gcctattcta tgtgatttac caagcacacc atgatctttt aattcaagtt catctagttt 60
 atcaccacct aacagaattt gtatctcaag tgctgggagc ctttttccact aacatgaact 120
 aatctcaaat gccagagttt tgctttatca atcaacgtac tactagctac cgatgcatgt 180
 ccaataatag tggaaccttc aagaataaac aagccattac ttttattctt gttaccctta 240
 gctatgagta aagatacatt tgaaatctta agaacaccat ttggaattct agttgcatat 300
 cctagatcat caaacatgtc tatggaaata agattcctct tgagcttttg aatgtacctt 360
 acatttttca gtagatactc tctgttatca cacatcttca 400

<210> 6794
 <211> 323
 <212> DNA
 <213> Glycine max

<400> 6794

taaacattct ctttcgagcc tccgtattat tattggactc aatctaacat ccgtgaaaaa 60
 agttactgtc gttagaattt gtcacaggt tcaacattca atttcgagcg tctcgatata 120
 ttactggagt caatcagata tccgagtaaa acgttattgt cgtttgaatt ggctcacaag 180
 ttcaacattc aatttcgagc gtctcgatat gttatgggac tcaatcagac atcccagtac 240
 aaagctattg gcgcttgaat ttggtcagag attcaacatt caatttcgaa cgtctcgata 300
 tcttacggga ctcaatcaca cat 323

<210> 6795
 <211> 276
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6795

tgtcacatgt tcatgcaaca attgttatcc gtggctatac gagacatctt gctttacaaa 60
 ttccggttatac cataactcgc ttgtgctnnt tcttccatgc catatgtagc aaagtcggtg 120
 atcctgtgaa agttgatgag ctggaaaatg atgccgcaat tatactgtgc tagttggaga 180
 tgtatttccc cttgctttct ttgacatcat gattcacttg attgtgcatc tggttagaga 240
 aatcaaagt tgttggcctg ttatttgccg tggatg 276

<210> 6796
 <211> 317
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6796

gccagaatca gacatgagag tgtatatgtt atgaccattn gaatttctca ggagctttcg 60
 ttgttcaatt tcgaatttct cgatatatga tgcgcttcac tcagacatcc aagtgacaag 120
 ttatgaccat ttgaatttca cgacagggtta tgttgttcaa tttcgagcgt ctcgatatat 180
 catggggcctt agttatacac ccgagtcaaa tgttatggct gcttgaattg cctagagcta 240
 ccgtattcaa gttgagcgtc taatatatta tgccctaaat cggatttcga ttgaaggat 300
 gacctttgaa tcctcga 317

<210> 6797
 <211> 320
 <212> DNA
 <213> Glycine max

<400> 6797

gcaacaattg ttagccgtgg ctattctata catgtagcca atttatgtca ggataacgat 60
 aactcgcttg tgctctttct cccgtgctat atggagcata gacattgatc cagtcattgt 120
 tgatgagttg gaaaatgagg ccacaattat actgtgccag ttggagatgt attttcccc 180

tgctctcttt gacatcatgt atcacttgat tgtgcatctg ggcagagata tcaaattgtg 240
 tgcgctgtt tatctacgat ggatgtaccc ggttgagcga tacatgaaga tcttaaaagg 300
 ggatacaaag aatctatatc 320

<210> 6798
 <211> 441
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6798

ncgatccaat tcatacganc aataactttg aatcggatgt ccgatttgtt cccatangat 60
 atcgagacgc tcgttattga aaacggaagc tctaacaaaa gtcaaacgac aataacttnt 120
 aacttggatg tccgattgag ccttgaata tatcgagacg ctcgaaattg aaaactgaag 180
 ctctaagaaa agtcaaacga caatataactt taactcggat gtccgattga gtccctgtaat 240
 atatcgagac gtcgtaatt gaaaactgaa tctctgagca aatacaaacg acaataactt 300
 ttgactcgga tgtccgattg tgtcctgtag gatatcgaga cgctcgtaat tgaaaaccga 360
 agctcggaga aaaatctaac gacagtaact ttaactcgga tgcctattga gccctgaata 420
 tatcagacgc tctaaatgaa a 441

<210> 6799
 <211> 370
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6799

cttggccatg ctggactcgt ttgttattga tttccttggc aatttgatgc ttagagacat 60
 caatatctat ctctccatca gtaggctctgc ccagatattt gttgatcaca gcaggngaga 120
 atctaacaca ctttctcttg acaaacactt ttggaaaatc atcacttttc ctgttggata 180
 tgccaaaggg atggtggaca atgaattccc tgactaggcc ttcataacag cctcccaact 240
 gggggactgt cttcagtagt ccagcagcct tagaagagtg tccatggtct ctttgcaatc 300
 caaggcatct cttcacagtt ctctttcacc cgcaagtctg cggtgatata catatttcca 360
 cttctcaaca 370

<210> 6800
 <211> 433
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6800

aaacgtntac atataggata agatcttttaa aaccagtga agaccagaca atttatttca 60
 tggttaattatt attgccaaaa aaagttattg tttatttgaa aagtatattg tatgtgaatt 120
 aaaagaatct tgattgttgg agaaagcaac tttagattga ggagaaattt tatcaagcta 180
 cagacatata ctccaaatat aacaaattag aataatgata agcaaagtaa actaagtaaa 240
 aaaaaaacac cttcttttcc ttgcgaatct ttgagagctc ttcaattatg taaccttttg 300
 ctogagcatc ttcacagaga gaattgaagt ccatggatat accattntct tgggcccaat 360
 gttcaagtgc ttgcttaact gggttaacaa cagccacaag gataggcctc aaactgtttc 420
 ataaacccat atc 433

<210> 6801
 <211> 406
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6801

cttctatctt tttagcatat ctnttcaaatt attnttcaat atttttgcat ntttaagttg 60
 tgttgtgaca ttatntcttt aatatgattt gaacatctaa atttttttat catcatcata 120
 tcggtgtaaa gtattcactg actctatata taattaatct ccactaaaaa ccaacctaatt 180
 aacactaatt gattcaaatt tacactatat tcaaattaag aaatgctgca gagttatttt 240
 aaaattattt aattatatat aatagtggta gtgaaaagta cacaattatt aagaagaatt 300
 tccttacaaa aattgaataa aaaatacatt taaaatataa tctcttttgc ataataagag 360
 tatatatata tatatatata tatatatata taattatata tatatc 406

<210> 6802
 <211> 294
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 6802

ttgtcgcacg caagcttata gaaatgaaat ggcataactt ctaactctga tgtccgatgc 60
agacacacaa catatcgaga cgctcagaag tgaacaacag aagctctcta gaaattccaa 120
tagtcataac tgctcacaca gatgcccgat gctgggacat aatatatcga gacgctcgaa 180
atagaacatt gaaagctctc gagaaatcca aacaggccta actnttcgct cggacgtccg 240
actcaggagc ataacatctg gagacactca aaattgaaca gcggaagctc ataa 294

<210> 6803
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6803

cctctaaatg agctacaggt gtataagttt cntttagtc tatnccttct tgttgtgagt 60
attcttttagc aactaacctt gctttgtttt tcacaacctt tcaaatttca ttcagtttgg 120
tttgaaagac tcattactct ccaatagctt tctttctttt tggaaattcg actgactttc 180
aaacatcatt cctctgaaac tgatcaagct acttttgcac tgctgtaacc caattgtcat 240
cctgcattac atcatcaatg tegtggggtc tcatttcaga aatcaatgca atatgctctt 300
atgttctgag tgatgatcct gtataacatg atcaactaga tcaccaataa ttgacttttt 360
ggatgattct ttatgatgca ttcaggggtc ctcttacc 398

<210> 6804
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6804

agcttattgt atatgagtgc atgtccaatg gatgtttctt atgatgacct atactctagt 60
gataagaaaa aggaaccact aacatggaaa cagaggctaa agatctgcac aaaagcagca 120
catgaccaca ctactntgac acatgtgtca ttaggccgat gttaaaactg cttttttagt 180
tagtgttgga tatatgatct ctaagaaaat gatgtcttat ctctatatgt ttgggtctag 240

aatgcatgat aggaatttta gatagattga taacacttgt gttgtcacat ttcaagggaa 300
 tatgatcaag gactaatatc ttgcacacaa gcaaacacta agcataatat ttgggtcaact 360
 gtagttaagt aaagaagtga ccaattatac ctctatacct tgactcataa aatgatttac 420
 atttctcatc ta 432

<210> 6805
 <211> 361
 <212> DNA
 <213> Glycine max

<400> 6805

cacaacaggg agtgaagatt gctgaaaacc ctagccttgc aacaagtcct atggaagtag 60
 acacggagat ggacaagata atccgcagta ttgtgagtag cattttaaaa gacgcctctg 120
 ttctgaagc tgatgaagat gttccaacat cttccacccc gaatggttct gtgcctgatg 180
 ttgagaaaga tgttccaaca tcttccggcc caaatgctga agtactctct tccccagca 240
 aagagagatc aacagaggaa gatgatcaag cgacaaagga gacccttgca ccaaaggcac 300
 cagaacctgc tccaggtgac ctcatcgacc tggaagaagt agaactgat gaggaaccca 360
 t 361

<210> 6806
 <211> 472
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6806

tatagcctcg gcagcttcat cctcagatcc ctcttgttgg actaggctta tattaacaa 60
 cattataatc acaacttatt taaaaactaa aaatcttgca atctatccct agcaatgcaa 120
 ttatctagcc ttgctctatc aagttctaag gaaacagtac acttcccagt tcctaacagt 180
 acacaccaat ggggtgatcag accataagca tgcaacagta aagcatcgat agaagcaatg 240
 aaaacatgaa acacactngc tagtgtttag ctctactgag ctttaaaaga ttggctaaga 300
 ttttggtaaa acataagcac ttatacaatg aaggaaagct ggagttgctg cacatgatgt 360
 ccaacgttat gtcaaggaat aagatctggc tgacaacgta caaagcaaga taaaatggca 420
 natgaagaat cgaagttgca ggatccacga tgtcggatac aatgtcctga ca 472

<210> 6807
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6807

accaccatc gacatagggc ttaagctcat ctatacattg tcctgtngtt ccatcattat 60
 tttgcatagg tacaagagcc acgattatgc acttgaataa atatttgatg gatgttgatt 120
 gattgcacca ttctatgttg aggtaatctt gatatttcaa taataagttt ggattgtatg 180
 gcactacata tctattgtct agggctatgt gatttttctc aatatatttt ccatcattac 240
 gcctttcata aactcaatat ccatcttggt caacaacagt ttcaggttgc caattttttg 300
 aaaaaaaatc tagaacactt gccatctttc atgcatggca actttctgtt agcattacca 360
 catatgccat gcatcatatg tgatgtagct ccatgtggag cttgtaggcc ttggatc 417

<210> 6808
 <211> 328
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6808

agctatagca tccaataccc tgatgatgat gtcctatatg ttcttaagac tggactgatt 60
 catttgcttc caaagtttca tggccttgca ggtgaagacc cgcacaaaca ttgaaagaa 120
 tttcacattg tctgctctac catgaaaccc ccagatgtcc aagaggatca catatttctg 180
 aaagcttttc ctcatcatt agagggagtg gcaaaggact ggctgtatta ccttgctcca 240
 aggtccatca cgagctgnga tgaccttaag agagtattct tagaaaatat ttccctgctt 300
 ccaggaccac agtcatcagg aatgatat 328

<210> 6809
 <211> 352
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6809

agctatgctg anacattata atagacctcc tcagtatcaa aaccaacaac agtagaataa 60
 ttatgacctt ccaagcaaca gatacaatcc aggttggagg aatcatccan atctgagatg 120
 gacaagtcct ccacaacaac atcagtctgt cctttctttc cagaatgggtg ctggccaag 180
 caagccttat gttcctcctc caatgcagca acaacaaga caacaagcag ttgaggcccc 240
 ttttcaacct tccttagagg agttagtcag gcaaataacc atccagaata tgcaatttca 300
 gcaagagaca agagcctcca ttcagagtct gacatattag atgggtgcaga tg 352

<210> 6810
 <211> 330
 <212> DNA
 <213> Glycine max

<400> 6810

tgagggaaaa cttgatgcct tggttattct agtaactcag cttgccataa atcataactc 60
 agcttgccat aaatcagaaa ttctgctgat caccatacag atctctgtcc ttctttgcag 120
 ctatctggag tcaatgagca acttgaagcc catgctgcaa acatttataa tagactcctt 180
 cagcaacaaa accaacaaca acagaataat tatgatcttt caaacaatag atacaatcca 240
 ggttggagga atcatccaaa tctgagatgg gaaaatcctc cacaacaaca acagcagcaa 300
 caacaacagt ctgtccctcc cttccagaat 330

<210> 6811
 <211> 343
 <212> DNA
 <213> Glycine max

<400> 6811

tgcacttgag gccaacaagg gagattgacc attctttttg cctgaaagaa ccaacgacaa 60
 tgcttacaaa gtcgagctgc ccggcgagta taatggtaat tccaccttca atggccctga 120
 tccatccctc ttttgatgca catggagaat ccgaatcgag gacaaacccc ttctcaagaa 180
 ggagagaatg atgaggacat gttcaagagc aagggccagg atccactcga aggaattgga 240
 ggacccatga caagggctac agcacggaaa gccaggaaga gcctccaaca agtggctgcc 300
 atactatttg aatacaagcc cacagctcaa ggagaaaagc cca 343

<210> 6812

<211> 238
 <212> DNA
 <213> Glycine max

<400> 6812

agctttttatt taaggttcgt tcctaattta tctacaattg catcacctct caatgagctg 60
 gtgaagaaga atgtggcatt taccttcggt gaaaaacaag agcaagcctt tgctttgctc 120
 aaggaaaagc ttactaaggc acctgttcta gctctttctg actttttctaa aacttttgag 180
 ctagaatgtg atgcctctgg agtgggagtt ggagctgtat tgttacaagg tgggcacc 238

<210> 6813
 <211> 341
 <212> DNA
 <213> Glycine max

<400> 6813

tttaaaacac aaactatggt caaacctata aggagtatac ttgaaataag tttatttgag 60
 tcttacctat atagttgatt tattttaaaa ctggaacttg actatatata aattataaca 120
 ttatatatatt atatttagaa gtccttaaaa aatcttacta aatataatct ataagggtgtg 180
 ataccaatct tttaatatca aacctataag gtttgaacat atttcaagta tacatttaaa 240
 cttatttaat tattaataca aaaacttgaa caaatattta ttgatttgaa cttaataatt 300
 atgaatgact cagttcattt ccactttttg acaccatcat c 341

<210> 6814
 <211> 235
 <212> DNA
 <213> Glycine max

<400> 6814

agcttttttg ttcaattacg agcgtctcta tatattatgt gcctgaaacg gacatccgaa 60
 tgaaaagtta tgagcatttg aatttctaga gaacttccat ttttcaattt tgagcgtctc 120
 gatatatcat cggcctcggt cgtacatcca tgtcacaaga tatggccgctc ttaattggac 180
 aagagcttcc gtgttgaatt tcgagcgtct cgataaatta tgtgcctgaa tcgga 235

<210> 6815
 <211> 235
 <212> DNA

ATTTTAAACAC AAACCTATA AGGAGTATAC TTGAAATAAG TTTATTGAG
 TCTTACCTAT ATAGTTGATT TATTTTAAAA CTCGAACCTG ACTATATATA AATTATAACA
 TTATATATTT ATATTAGAA GTCCTAAAA AATCTTACTA AATATAATCT ATAAGGTGTG
 ATACCAATCT TTTAATATCA AACCTATAAG GTTTGAACAT ATTTCAAGTA TACATTAAA
 CTTATTAAAT TATTAATACA AAAACTTGAA CAAATATTTA TTGATTGAA CTTAATAATT
 ATGAATGACT CAGTTCATTT CCACCTTTTG ACACCATCAT C

<211> 315
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6818

 tgaaattgaa caacgaaagc gncattaat ttatttggtc ataacatgtc acacggaagt 60
 ctgcttcaag cgcataatat accgcgacgc ttgatattga acaacggagg ctctcgagaa 120
 agtcaaattg tcttaacttg tcacacggaa gtcgagattc acgcgcgtaa tatatacgcg 180
 aagcttgaaa ttgaacaacg gaagctctcc taacatatga atggtcatta catgttacag 240
 ggaagtagaa ttctagcgca taatataggg aactctcga aattgaacaa cggaagctct 300
 cgagagattt aaatg 315

<210> 6819
 <211> 237
 <212> DNA
 <213> Glycine max

 <400> 6819

 agcttttcgt tatattatgc accttaatcg gacttccgtt tgaaaagttt tgaccatttg 60
 aattttctcaa gagctttcgt tgggtcaattt cgagggtcctt gaaatattat gcgcctgaat 120
 cggacttccg tgtgataagt tatgaccatt tgaatttctc gagagcttcc gttgtttaat 180
 ttcaagcttc tcgatatatt atgcacctta atcggacttc cgtgtgataa gttatga 237

<210> 6820
 <211> 238
 <212> DNA
 <213> Glycine max

 <400> 6820

 agcttttcat ttattcaaat ggtcataact ttctactcgg aggtccgatt caggcgcata 60
 agatatcgag aggctcgaaa ttgaacaacg gaaggtcgcg agaaattcaa atgctcataa 120
 cctttcacat ggagggtcaa ttcaggcgca taatatatcg agacgtcaa aattgaacaa 180
 tggaagctct tgagcaattc aaatggatcat aaccttacac tcggagggtcc gattcagg 238

<210> 6821
 <211> 350

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6821

tagctacaca cactcatcta ttaacttagc ttaccttcnn gacaaaatac atgaaaatac 60
 aaaaaaaaaa gtcctacta caaagactac ccaaaatgcc ctcaaataca aggctaaaac 120
 cctatactac aagaatggcc aaaatacaag gcccaaaaga aggaaaaacc tattctaata 180
 ttacaaaaga taagcgggct cgtacttagc ccatgggctc gaaatctatc ctaaggctca 240
 tgagaatcct agggccttcc cttggatctc tagcccaatc tacttggagt cttctacca 300
 atgcccttgc ggggtaggat tgcataatc ttgatacata taaagcaagc 350

<210> 6822
 <211> 349
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6822

ctcaagcttg gagataccat cattttcata ttattctaaa gttntttccc gaatacttcc 60
 aaaaaatgcg agttgtatac tcactaaata atatcaaagt tttgaggaaa agaagaaaag 120
 aatataatgt caaactaaat ggaaaatgag attgtccaaa atcctaacia tgattgatct 180
 ccaatatcaa atttaaggta aagacaaatg ctacgcctaa ttttatgtaa ttctcattaa 240
 ataaagagtg aagtaattaa attatttaat aaaaattaca ttttatctaa taatataaaa 300
 attgtgctgt taactttttt tagaaaaact aagcattttt aaatattat 349

<210> 6823
 <211> 350
 <212> DNA
 <213> Glycine max
 <400> 6823

tactcaagct tcaaggataa tggctctatc ataataattta tttcctgaat ggaattcaat 60
 aaataggcct cctattttca atggagtggg ttaccattac tggaaaaccc gtatgcaaat 120
 ttttatagag gcaatagatt taaatatttg ggatgcaata gaagtagggc cctatatccc 180
 cactatgggtg gcaggaagta aaaccataga aaagcctagg gaagaatgga gtgaagaaga 240

agagagatta gtgcaataca acttaaaagc caaaaatata attacatctg ccttaggaat 300
 ggatgagtac tttagggat caaattgtaa aagtgcacaaa gaaatgtggg 350

<210> 6824
 <211> 336
 <212> DNA
 <213> Glycine max

<400> 6824

ttcgagaaat tcaaattggc ataacttttc actcgcattg ccgattcagg cgcataactt 60
 atcgagacgc tcgaaattga acaacggaag ctctcgagaa attcaaattg tcataacttt 120
 tcactcgcatt gtccgattcg aggacatatt atatctagac gctagaaatt gaacaacgga 180
 agctctcaag aaattcaaatt ggtcataact tttaactcgc atgtccgatt caggcgcata 240
 acatatcgag acgctcgaaa ttgaacaacg gatgttctcg agagattcaa atggtcataa 300
 cttttcactc gcatgtccga ttcacgcgca taacat 336

<210> 6825
 <211> 230
 <212> DNA
 <213> Glycine max

<400> 6825

tagctttctt tgttgaatat ctagtgtctc gatacgcgat gcacctgaat cggacatgcg 60
 agtgaaaagt tatgaccatt tgaatttctc gagagcttcc gttgtaaaat ttctagcgtc 120
 tcgatacgtc atacgttgaa ttggacatgc gaggtaaaag ttatgaccat ttgaatttct 180
 cgagaacatc cgttgttcaa tttcgagcgt ctcgatatgt tatgcgcctg 230

<210> 6826
 <211> 344
 <212> DNA
 <213> Glycine max

<400> 6826

tgtaacaccc cgacgaatta caccaaattg agtaggatct ggagtctgtg tatgtatgag 60
 attgtatagt taagaataac ttaaaagaat taattgatac tacctatacc aacaaaatac 120
 atctcttttt tggtagccct cacttaagaa cttcatagtt aagtgtgatt tccttgaagt 180

agttatggga tgagtgacct tctgagaaat tttctagaat atgtgagtga tgacaaaata 240
 tgttgaaaag tctcgtgttg gtttgtggag ttagttattt atcttgaaag cagacatggg 300
 tgaatttcaa gggtttggaa agggctacct acaaaggatt ctga 344

<210> 6827
 <211> 231
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6827

agctcaattc tttatnntga gcgtctcgat atattacccg attcaatcgg acatccgagt 60
 aaaaagttat tgtcttttga atttcctaca agcttccggt ttcaatttgc aacgtctcga 120
 tatattacag gactcaatcg gacatccgtg tataaagtta ttgtcaattc aattttctca 180
 gaacttcgga tctaaatfff cagcgtctcg atatattacg ggactcaatc a 231

<210> 6828
 <211> 351
 <212> DNA
 <213> Glycine max
 <400> 6828

tcagaattgg ttaagcatgg cttatttggg gatcgatcat ctttgtaatg agtttgaggg 60
 cacgtacagg ttcaccgatt gggacaccat tcttttctcc acttttcttg tatgaaccct 120
 ctgttctgga gatcccggtt cctgggtttac aagcggagta catgcaatct tggacataaa 180
 aagccgtgta gtaattgacg ccaatgaaat ccaatcctct cttgagtttc tctttttcgt 240
 agctggaaaa tttgggcaag aggcttccaa gaacgttctc catctctgta gggactttc 300
 cgaatatgat tgggtccaag aacctgcatt ataataaagt gttactctgg g 351

<210> 6829
 <211> 238
 <212> DNA
 <213> Glycine max
 <400> 6829

agcttttatt ttttatacaa gaatgaagct ctgataccac ttgttggaag agtggcctca 60

gatatcttaa gaaggggggg ttgaattaag atatcacaaa ttatttcccc aattaaaaat 120
tctatttaac tttctattca agttataaat tcccttaata atgaatttct taaatattga 180
ttcaaataga acaatttgaa tatgaatata aaacaataat aaataaagga gtttaagg 238

<210> 6830
<211> 238
<212> DNA
<213> Glycine max

<400> 6830

agcttttatt tttggttcat tcctaatttc tctacaattg catcacctcc caatgagctg 60
gtgaagaaga atgtggcatt tacctgggtg aaaaacaaga gcaagcgta gttttgctca 120
aagaaaagct tactaaggca cctgttctag ctcttctga cttttctaaa acttttgagc 180
tagaatgtga tgcctctaga gtgggagttg gagctgtatt gttacaaggt gggcaccc 238

<210> 6831
<211> 342
<212> DNA
<213> Glycine max

<400> 6831

tgaagaccat aagcatactg ttcaattttt gtacgggtcca agcagtcaat gcagttggta 60
cggagaactc cactctgaaa atgtggtgca tctactacaa aattatcttt tttattctga 120
tggttcatgt cagtctcttt gtcttgatta accacagaat ttagcatttc attactgttc 180
ccaatcctca caagatcccc agaactagct ctgagatctc tctactgaagt atccctataa 240
aaatacacaa tgagttgaaa ataaaaatag aacttccttt ctctaaatct tgcactttta 300
caattataaa atagaactgc aataatatta agcaaaaaaa ag 342

<210> 6832
<211> 235
<212> DNA
<213> Glycine max

<400> 6832

agctttatga aattttgcaa catcgttttg gatatttaac aagaacattc tatttcttga 60
cattggtacc ttggttaatta gattatttct cccatctctg atggaaagac tagaatcttt 120

gatactcttaa gaaggggggg ttgaattaag atatcacaaa ttatttcccc aattaaaaat 120
tctatttaac tttctattca agttataaat tcccttaata atgaatttct taaatattga 180
ttcaaataga acaatttgaa tatgaatata aaacaataat aaataaagga gtttaagg 238
agcttttatt tttggttcat tcctaatttc tctacaattg catcacctcc caatgagctg 60
gtgaagaaga atgtggcatt tacctgggtg aaaaacaaga gcaagcgta gttttgctca 120
aagaaaagct tactaaggca cctgttctag ctcttctga cttttctaaa acttttgagc 180
tagaatgtga tgcctctaga gtgggagttg gagctgtatt gttacaaggt gggcaccc 238
tgaagaccat aagcatactg ttcaattttt gtacgggtcca agcagtcaat gcagttggta 60
cggagaactc cactctgaaa atgtggtgca tctactacaa aattatcttt tttattctga 120
tggttcatgt cagtctcttt gtcttgatta accacagaat ttagcatttc attactgttc 180
ccaatcctca caagatcccc agaactagct ctgagatctc tctactgaagt atccctataa 240
aaatacacaa tgagttgaaa ataaaaatag aacttccttt ctctaaatct tgcactttta 300
caattataaa atagaactgc aataatatta agcaaaaaaa ag 342
agctttatga aattttgcaa catcgttttg gatatttaac aagaacattc tatttcttga 60
cattggtacc ttggttaatta gattatttct cccatctctg atggaaagac tagaatcttt 120

catgtgaata tcatagcctt ttttgagtaa ttgtcccaaa ctcaaaatat tgttcttcat 180
 atttgggacg tagtagacat ttgatatgaa ttcattgtctt gcacccctca aatgg 235

<210> 6833
 <211> 238
 <212> DNA
 <213> Glycine max

<400> 6833

agcttggttt ttgatacatt gatcattcgt ttgtgttgaa gctgctcgac ctttttgact 60
 cagaagacca aagagagagg gattacctga agactatcct ccaccgtatt tatggaaagt 120
 tcatggtgca tcggccattc attagaaaag ccatcaacaa tatcttttac aggttcatat 180
 ttgagacaga gaaacacagt gggattgcag agttgcttga aatattgggc agcataat 238

<210> 6834
 <211> 349
 <212> DNA
 <213> Glycine max

<400> 6834

tatgctgcaa acatctacaa tagaccttct catcctcagc agcaaaatca gccacaacag 60
 aacaattatg acctctccag caataggtac aatccccggg ggaggaatca tcccaacctt 120
 agatggttga atccttcaca atagcagcaa caattttaga atgttgctgg cctaagcaga 180
 ccatacgttc ctccaccaat ccagcaacaa caacaacaac aacaactacc ccagaaacaa 240
 caaacaattg aggcccctcc gcaaccttcc cttgaagaac ttgtgaggca aatgactatg 300
 caaaacatgc agtttcaaca agagacgaaa gaaaagaatc cagtaattg 349

<210> 6835
 <211> 344
 <212> DNA
 <213> Glycine max

<400> 6835

tcaagttcag gaggagagcg aagaagtgtg ttttaccagc aagttagagg aactagatct 60
 ctctctgata tttatcaaag atgtaatgtt gctgtaatgg agcctgtaga ctacaatgaa 120
 gctgcaactg attcgaagtg ggtaagtgc atgaaggagg agcttgatat gattgaaaaa 180

catcaaacat gggagctcac ggagaaacct aaagataaaa atgtcattgg agtgaaatgg 240
gtttatagaa ccaagcttaa tgttgatggt tctgtaaaca aacataaggc gaggcttggt 300
gtgaagggat atgcgcagat gttcggggta gacttctcag aaac 344

<210> 6836
<211> 336
<212> DNA
<213> Glycine max

<400> 6836

tgccgccacg gagttttccg actatgttct tgtgtggtgg aagtgattat gcaagttgaa 60
gtggacgttt ccattgggaa atacaatgat aagggtacttt gtgatgttgt tcctatggag 120
gccagtcact tacttttggg gagaccatgg caatttgata aaagagccaa tcatgacggt 180
tacaccaaca agatctcttt cattactttt ggtgttgcac aaaaaatgta caatgtaggt 240
cggctaggtt tttttgtgcg agctcaaccg acattttggt tcggccgaaa ctggcatggt 300
cccatttatt ttggccagga aaacattaac ccacct 336

<210> 6837
<211> 234
<212> DNA
<213> Glycine max

<400> 6837

atttttctgt aaattcgaat ggccataact tttctcacgg atgtctgatt ttgggacata 60
atatatcgag aagctcaaaa ttgaacaacg gaaactctcg agaaattcaa atgggtcatga 120
ctttttattc ggaagtccga ttcagggaca taactcatct agacgctcaa aattaaccaa 180
caaaagctct cgagaaattc caatgggtat cactttttac tcgattcggg gaca 234

<210> 6838
<211> 345
<212> DNA
<213> Glycine max

<400> 6838

ttaggcctag ttagttacct ttggtgtgct taaatggata atctggtggg aagtgaatgg 60
tcaccaggaa tacaccacca gcataaggac tgtcagttgg acccataatt gtagcttgcc 120

aatgaaacat gtcacaccca acagggccta ctcaagaatg gaatacataa gattcatgat 180
aagcttccca tagatacata actacaaggt aatattcaat attacatatt gttttccatt 240
tttatatgta actaaacaaa cctacttag ttgttgggcc tacatgaacc gtttatcaaa 300
acatcataac ctatctacat atagcttctg ctactctcaa ccaag 345

<210> 6839
<211> 235
<212> DNA
<213> Glycine max

<400> 6839

atTTTTTtcc ttaggttggt ccatgttgct catgttggtg ctctccttat ctctaattga 60
tagaactctc aaacctaggg ggttggtcca catagacttc ttccttaata attccattaa 120
ggaatgcact ttttatgtcc atttgatata acatcatgtc ataatagcat taaagaatag 180
taaaatgcgt agccttctg ttgtgaataa cctttggcca taagcctagc cttgt 235

<210> 6840
<211> 338
<212> DNA
<213> Glycine max

<400> 6840

tgaaatcatt gagttccaac atttactatc tttttcgaac attcctctga agaattcgta 60
agcaatatcc agtcttcac attttgcata catatatgtg atggcagatc ccacatcaac 120
tttgcctcc aatcctttct ttagaatatc acaatgcaac accttttagaa atacaagggt 180
gacctggcag ttggaaaaga gtgaaaggag aagggaagaa agagagggtca cggttttgaa 240
tctccaact gacatttcta ataaaaacta acaaattaac atttgttgat aaaaaataac 300
aaaaaacaat gcaactcctt ccctaatttc agagcagc 338

<210> 6841
<211> 342
<212> DNA
<213> Glycine max

<400> 6841

tgtcaaaaag ggaagcaagt tataaactct tttcaaagca agaactttgt ttctacctcg 60

aaacccttg agctacttca cattgattta tttggtcct ctacaacttt tagttttggt 120
 ggtaattact atggcttagt aatagtggat gattactcaa ggttcacatg gaattttttt 180
 ttgaaaacca aaaatcaagc ttttgattct tttcgcaaac ttgccaaggt gattcaaaat 240
 gaaaaggtct caacatcggt tcacttagaa gtgaacatgg aggtgaattt aaaaatgagt 300
 cttttgaaaa tttttgtgaa gaaaatggaa ttcaccacaa ga 342

<210> 6842
 <211> 348
 <212> DNA
 <213> Glycine max

<400> 6842

ttatcccctt caatgaattt gtacaaataa tattatatta aatccagatc gattatcgat 60
 actgggtggaa tttcatgtga agaagcatcg atggcagaat atcttaatct tggtatatat 120
 gtttacgtat ttttaaaagt acattttagt taaaaaata tattaataa actataatag 180
 ctatataaga aatttcaaaa ttaaatagtt ttaatagttt ttagaagcta aaagaaactt 240
 taaaaaatc ttaaaacaat ataatttaa atattttgag ttaaacttta taaagatttg 300
 atgttcattt taaatataac tttcccagaa acttatataa atatttgg 342

<210> 6843
 <211> 361
 <212> DNA
 <213> Glycine max

<400> 6843

ttataagcgc ggggtctgga gacaattgtc attcgttcgc gatatgcat atcaagcga 60
 atgtcgtaag caaagaatac ccgccagaga ttgccgacaa cgataaaagg acattgagga 120
 gggtggcagc cggtttcttc atgagcggaa gcatactgta taaaagaaat cagcatgga 180
 cactcctgcy gtgtgtggat gccaaagagg caaatcacat gatcgaagaa gtccatgagg 240
 gctcgtttgg aatgcacgcc aacggacatg ctatggccag gaagatccta agagcaggtt 300
 attactggct taccatggaa agtgattgtt gtgtccatgt gaggaatgc cacaatgtc 360
 a 361

<210> 6844

<211> 236
 <212> DNA
 <213> Glycine max

<400> 6844

agctttttttt gggacatctt gacttgcttt ccaatctgac attcaccaca gattctgcct 60
 tcttctatctt tcagattggg aatgcctcta acagcacctt tgtcaatgat tttcttcatg 120
 cctcttaagt gcagatgtcc aaatttttga tgccatattt ttacttcac tcttttggag 180
 gatagacatg tggaggagta actggtttct tgagggtgcc ataggtaaca gttgtc 236

<210> 6845
 <211> 238
 <212> DNA
 <213> Glycine max

<400> 6845

ttttgttaag ctatatacta aaggatgcaa ctagtacaga gtcctgcac gtacaacccc 60
 tattccaaca ccaaaatcct cacattcaat ttcaaaagct ttatcaaaat tacgcaaaca 120
 aagcaaaggt gcattgggta gcttatcttt caataaatta aaagctttct tatgcacatt 180
 agtccacttg aacaccacat tctttttgac aagttcattt aaagggtgcaa caagtga 238

<210> 6846
 <211> 337
 <212> DNA
 <213> Glycine max

<400> 6846

tttgcaagtt ggaatcattt attctatctc cggcagccaa tgggtgagtc ccgtctaggt 60
 agtcccgaag aagaccggcc tcacaatgat aaaaaatgag aaggaggaac tgattcctac 120
 tcgggtgcag aaccgttgga gagtctgcat tgactatagg aggctgaacc aggttaccaa 180
 aaaggacat tttcccctgc cattcattga tcagatgctt gaacgcctgg caggtaaate 240
 tcactactgt ttccttgatg gtttttctgg ttatatgcaa attactattg ctcttgagga 300
 tcaggaaaag accacattca cctgcccctt cgacact 337

<210> 6847
 <211> 239
 <212> DNA

<213> Glycine max

<400> 6847

agcttgtgtt acaattcact gtgacagtca aagtgccatt cacttagcaa atcaccaaat 60
gtaccatgag aggacaaagc acatatatgt gaaactacac ttcattagat atgtgattga 120
atctgagaag gtgaaggtgg agaaggtttc aacagaagaa aactcagctg atatgttcac 180
aaagtccctc tctagtgtca agttcaagca ctgtctggac ttgataaatt ttgaagatg 239

<210> 6848

<211> 339

<212> DNA

<213> Glycine max

<400> 6848

ttgaggattt tcaaacgaca ttaactttgt actcggatgt ctgattaagt cccgtaatat 60
atcgagacgc tctaaattga atgttgaagc tctgaccaa ttcaaacgac gataaatttt 120
tactcggatg tctgattgag tcttgaata tatcgagact ctcgaaatta aatgttgaag 180
atctaagcaa attcaaacga caataacttt ttactcggat gtctgattga gtcccgtaat 240
atatcgagac gctctaaatt gaatgttgaa gctctgacca aattcaaacg acgataactt 300
tttactcgga tgtctgattg agtcccgtaa tacatcgag 339

<210> 6849

<211> 235

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6849

atttttaaca ttcaattncg aggggtctcg tatattacgg gactcaatcg gacatccgag 60
aaaaaagtta ttgtcatttg tatttgetca gagcatcaac attcaatttc gagcgtgtcg 120
atatattacg ggactcaatc ggacatccga gtaaaaagtt attgtcgttt gaatttgctc 180
agagcttccg tattcaattt caagcgtctc gatatattac aggactcaat cagac 235

<210> 6850

<211> 338

<212> DNA

<213> Glycine max

<400> 6850

tttgaactag tctactacat ttccctttt tattcaaaat gctacaacac ctaaagcttt 60
ccttagcttc tcaaatcttt caatctttgc tgccttagtc atcacatcta ttactcgtga 120
ttcagtagga caatagacaa ctttgatcac acttttggtc acttggtcct ttagaaagt 180
aaattttgtc tcaatatgct tgctcctttc atgggagact ggattcttgg ccaagtcaat 240
tgcaaattta ttatctacaa acaattttat aggcttcttc aacttgatcc tcaattctgt 300
tagtaatgaa tcaagccaaa tagcctgaca agcaacaa 338

<210> 6851

<211> 333

<212> DNA

<213> Glycine max

<400> 6851

tcaaccaagg ggagatggac catttttgtg cttgaaagaa tcaatgacaa tgcttacaaa 60
gttgagctgc ccggtgagta taatgttagt tccaccttca atgtctctga tttatctctt 120
ttttgatgca gatggagaat ccgatttgag gacaaatcct tctcaagagg gagagaatga 180
tgaggacatg ttcaagagca agggcaagga tccacttgaa ggacttggag gacctatgac 240
aagggctaga gcatggaaag ccaaggaagc tcttcaacaa gtgctgtcca tactatttga 300
atacaagccc aagtttcaag gagaaaagtc caa 333

<210> 6852

<211> 393

<212> DNA

<213> Glycine max

<400> 6852

agcttctata gaaggttcgt tcctaatttc tctacaattg cctcacctct caatgagcgg 60
gtgaagaaga atgtggcatt ttctgggtt gaaaaactag agcaagcctt tgctttactc 120
aaagaaaacc ttactatggc aactgttcta gctcttctg acttttctaa aacttttcag 180
ctaaaatgtg atgcctctgg agtgcgagtt ggagctgtat tgttacaagg tggacaccct 240
attgcttatt ttagtgaaaa acttcatggt gtcacctca actacccac ctatgataaa 300
gagctttatg ccttaataag agccctctaa acttgggagc attaccttat ttccaaggaa 360

tttgtcattc atagtgatca tcaatcactt atg

393

<210> 6853
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6853

tgtgcctctt cacgtctgga atatgaatgt agcatataga ttcaaagacc tttaggtgct 60
ttgctgatgg cttcttgccg ttccaagctt caattggagt cttgtctttt atagacttag 120
ttggacatct gttgagtatg taaacagcag tgtagactgc ttcagcccag aatgtgttag 180
gtagtccctt ttccttgagc atcgatctag ccactcccat aattgtgcgg atctttctct 240
cggacactcc attttgttga ggagaatatg cgactgtaag ttgtctctca atgccttcat 300
cctcacaaaa tctttcaaac tcgcgagagg tgtactctnt gtcgcatca cttcttagta 360
cttttatecc gtttccac 378

<210> 6854
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6854

agctnttgaa caatctctgg attgtttatc cccctacttc tgactctcac attgaaagcc 60
acagctgcac ctctttcata ttgattttt ggaccataga tttggacaag acttgctttt 120
tcacacccat cagaagcacg caacttcagt tgcagtaatg aggtaacaag ccaatttatc 180
aaaaaccgaa gtctaagtgc agttttattg agaccaagca tattgacatg atcgatatgt 240
cgacatatta tctctgggtc cttcctgcc cagtctgtc catcaccata ttctccatca 300
cttgtcacct cttcatcatc aaagctagtt gcagacatgt cccctggctc tagggctctg 360
cttaggtact ctttatgatt atcttccatg ct 392

<210> 6855
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6855

ntcaaaccta ctaattaatg attacctgcc agccttgagc tttaaattat aattaaagga 60
tttacaatat ggtatgagga gaacaatgaa gtcataaatc agtccaaaac gaataaaaaa 120
acacaatatc attcaaaca aatgtacaaa gactcatata acattatata aataaaacat 180
taaaaagaac aaatgagtat aaatcttttc tgcataagcca aagaaaatct taaagtacat 240
ttggggattt aaccaaacac gtagctttca acccaciaag tagtacaaaa taaaatcaaa 300
taaataattta tctattttctc cataacccat caataaagcc acaccaaact caatggaaca 360
ncananacta ataatatcat atgaatg 387

<210> 6856
<211> 394
<212> DNA
<213> Glycine max

<400> 6856
agcttcaaca tcagaccact tcctctgtgc tggatctact tcacatggac ttgatggggc 60
ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tggtgtgtg gatgatttct 120
ccagatttac ctgggtcaac tttatcagag aaaaatcaga cacctttgaa gtattcaagg 180
agctgagtct aagacttcaa agagaaaaag actgtgtcat caagagaatc aggagtgacc 240
atggcagaga gtttgaaaac aacaagtta ctgaattctg cacatctgaa ggcactctc 300
atgagttctc tgcagctatt acaccacaac aaaatggcat agttgaaagg aaaaacagga 360
ctttgcaaga ggctgctagg gtcactgttc atgc 394

<210> 6857
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6857

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gataaaggta gtgttgccat gttttcaaag cccgtactaa ggcatacaac tccttatcat 120
aagttgaata gttaagggtg ggaccactta acttttcact aaaataagca attggatggc 180

cttcttgcat caacacagcc ccaatcccaa catttgaagc atcacactca atttcaaaag 240
 atttttgaaa gtttggcaac gcaagtatgg gtgcattaga tagcttttcc ttaagaacat 300
 tgaaagcttc ttcttggttc tctccccatt tgaaccagc atttttcttg agcacttcat 360
 tgagaggtgc tgccaatgtg ctaaaatcct tcacanaaag tctataaaa 409

<210> 6858
 <211> 336
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6858

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 gataaaggta gtgttgccat gttttcaaag cccgtactaa ggcatacaac tccttatcat 120
 aagttgaata gttaagggtg ggaccactta acttttctact aaaataagca attggatggc 180
 cttcttgcat caacacagcc ccaatcccaa catttgaagc atcacactca atttcaaaag 240
 atttttgaaa gtttggcaac gcaagtatgg gggcattagt tagcttttgc ttaagaacat 300
 tganagcttc ttcttggttc tctccccatt tgaaac 336

<210> 6859
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 6859

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 ttgggataaa ggtagtgttg ccatgttttc aaagcccgtg ctaaggcata caactcctta 120
 tcataagttg aatagttaag ggtaggacca cttaactttt cactaaaata agcaattgga 180
 tggccttctt gcatcaacac agccccaatc ccaacatttg aagcatcaca ctcaatttca 240
 aaagattttt gaaagtttgg caacgcaagt atggggacat taattagctt ttgcttaaga 300
 acattgaaag cttcttcttg tttctctccc catttgaaac caacattttt cttgagcact 360
 tcattgagag gtgctgccaa tgtgctaaaa t 391

<210> 6860

<211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6860

tcattgagaga gtcaaagatc aaattgttag gattattaaa agctatgcta aacaagccaa 60
 caaagggaga aagatagttg tcttcgaacc cggagattga gtttgggtgc acatgagaaa 120
 agaaaggttt ccggaacaaa ggaaatcaaa gcttcaacca aggggagatg gaccatttca 180
 agtgcttgaa agaatcaatg acaatgctta caaagttgag ctgcccgtg agtataatgt 240
 tagttccacc ttcaatgtct ctgatttacc tctttttgat gcagatggag aatccgattt 300
 gaggacaaat ccttctcaag agggagagaa tgatgaggac atgaccaaga gcaagggcaa 360
 ggatccactt gaaggacttg gaggacctat ngatgangac atg 403

<210> 6861
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6861

agcattggag aaattctaatt ggctacattt ttctactcga atgtccaatt catgtgcatc 60
 atatattcag atccttgaaa ttgaccacgg aagctctcgg caaattcaaa cggccataac 120
 gtttgactcg aatgtatgat cgatgcccac gatatatcga gacgctcaaa attgaacaaa 180
 agaagctctc gagaaattca aatggctata acttttctct cggatgtctg attcacgtgc 240
 atcatatata gagacccttg aaattgacca ttgaagctct cgacaaattc aaacggccat 300
 aactttttac tcgaatgtat gatcgacgcc catgatatat cgagaccctc aaaattgaac 360
 aacgaaagct ctcaaaaaat tctaattg 387

<210> 6862
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6862

ttataaaatc taactaacia aggatcttaa tgtttcatag ttaataggac aaggatggag 60

tttgtgaatg tccacctcac ctacgaagca gaaaatcttt cacgaatgac aacacttgat 120
 tgagttctcc aataaaattc gaaaccaaatt tctcttgctg ctactagaaa agccctttcg 180
 tcagttagct gattcaacca gttaccattc ctaagggaaa aaccaaattc ctttagagca 240
 ggctttcgaa ctaataaaaag atatcaatat aaggacagta catgatataa tccatctttt 300
 ctttctattg tgcttctttt tgaaggagat ctggtagaaa ttctgcatga ctttgctgtc 360
 atgtccagtg aaaatgacca ctccatagac atgatca 397

<210> 6863
 <211> 239
 <212> DNA
 <213> Glycine max

<400> 6863
 tgccatttaa aaaggcattg ttaatatcaa tttgtttaag atcccaatga gaggaagtga 60
 ctgaagtcag aatagttctg attcttatag gtttcacaac tagggaaaat gtttctttga 120
 tatcaaaacc aggttggtga tggaagcctt ctgctacaag acgtgccttg tacttactga 180
 cagaccatc tgaattatgc ttgactctaa aatcccgtt gcaaccaatt ggttgccta 239

<210> 6864
 <211> 396
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6864

atggacctga gtgttgccca gctacattat atcttctgta atacttatca cctctatcat 60
 atctaataat tttcacattt atgtctaatt gccattttac ttcattgtag taaatcttta 120
 aggcattcat tgcctaagaa atctcgggca gtaagtagac ataaccataa cgtgaataat 180
 catcaataat ggtgataaag tatctttcct ttctgaagag ctaacatcaa aaggtccaca 240
 aatatcagta tgcacaattt caagaagcag agtgcttctt gtagctcctt tctttgtatg 300
 ntttgattat tgtcccttaa tacaaccac acaaatattt agatccgtaa agtctagata 360
 agagagactt tcattcttta ttaatctttc catcct 396

<210> 6865

<211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6865

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 atattggtaa tcgattacca atgtatctga acattgaaat tcaaattcaa ttgtgaagag 120
 tcacatcttt tcataaaatg ctttgtgtaa tcgattacat ggttttggta atcgattatc 180
 agtgacaagt tttgaataaa aatcaagaga tgtaactctt ccaatggttt tctcaagatt 240
 ttctcaaggt tataactctt ccaatggttt tcttgaccaa acatgaagag tctataaaag 300
 caagaccttg acttgcatct caacaattct tacaatcttt ntgaacatct ttttgaactt 360
 cttctctctc ttcctttgcc aaaagctttc taag 394

<210> 6866
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6866

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 tcacctcat cggttcccca ctgcaccttc accaacgcga tctcctttcc tctcaacgac 120
 ttcacccctc ggtcagtgat cttctgaggt tgtgctctat aggtgagggt atccttcacc 180
 tgtacctcgt ccaactgcaag tatatgtgat ggatctgggt tgtaccgtct cagttgagag 240
 acatgaaaca caggatgcaa attcgataaa ctccggaggta aggcgatatg ataagctaca 300
 ggccaatct tcttcanaat ctgatatgga cctagatact nggggtgtcaa cttcctagcc 360
 ttaagagctc ttccgactcc agttacggga gaaaccttca aaaacacatg ttctccttnc 420
 tgaaaatct 429

<210> 6867
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 6867

aacctccgta cgaacttcta ctggggcaac gccgcattcc ttag

404

<210> 6870
<211> 381
<212> DNA
<213> Glycine max

<400> 6870

agcttgaatc ggacatctgt gtgttttagtt atgaccattt gaatttcaca agagcttccg 60
ttgttcaatt tctagcctct cgacatatta tgcgcacgaa tcggacatcc gtgtgaaaag 120
ttatgaccat ttgaatttct cgagagtttc cgttgcttaa tatcgtgcgt atcgatatat 180
tataagcccg gatcggaaact cactgtgaac agctatgacc atttgaattt cacgagagct 240
tccgttgtct atttacgagc gtctctatat gtgatacgcc agaatcggac ctctgggtga 300
aaggttatga ccattcgaat ttctcgagag cttccgaagt tcattttcca gcgtttcgac 360
atgtgattct cctgaatcgg a 381

<210> 6871
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6871

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tagctacaca cacccttttc ataactaagc tcacatcctt gagaagatta ctaaagaagc 120
tagagcttag ctacacacac ctttctaata gctaagctca cctccttgag atgagaagct 180
agagcttagc tacacacccc ctataatagc taagctcacc cccatgacaa aatacatgaa 240
actacaaaaa aaatccctac tacaaagact actcaaaatg cctcgaaata caaggctaaa 300
tccctatact actagaatgg ccaaaataca aggcccaaac gaagganaaa cctattctaa 360
tatttacaaa gataagcggg ctcatactta gcccatgggc tcaaaatcta ctctaaggct 420
catgagaat 429

<210> 6872
<211> 388
<212> DNA
<213> Glycine max

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

<210>	6873
<211>	212
<212>	DNA
<213>	Glycine max

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gttgttcaat ttagagcgtc tacatatatc atg'gcctga cttgggcgta cgagcgaaaa 120
gtcatgacca actcaatttc tcgagagcta ccgttgttct atttctaagg actagatatg 180
ttatgcgccg aagtcggaca tgcgtactaa aa 212
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<210>	6874
<211>	418
<212>	DNA
<213>	Glycine max

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tttacagaaa	cattaagcat	aggcaaaaga	tcaagaggag	ttagtggggt	aaaaccatat	120
accacttgac	aaggagaaca	attactgggtg	ctatgaacag	ctctattgta	agcaaattca	180
acatgggggt	aacaagctcc	cccagttttt	aagttcttcc	tcaaaaactgt	cctaagcaaa	240
gctcccaaag	tcctattaac	aacttacgat	tgcccatcgg	cttgtggggcg	acaagtgggt	300
gaaaataaca	atttattgcc	caacttgctc	cacaaagtcc	tccataaatg	gcttacgaac	360
ttagagtccc	tatcactaag	aatgctgctt	ggccaccatg	gagtctcaca	atctcctt	418

<210> 6875
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6875

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 agaactaact ttctttcttg aacttcaagt taaggaaatg aagcatggaa catttctttt 120
 ccaaacaaag tactgtgcgg aattgattaa gaaattcaat atgaaaaagt gcaaagaagc 180
 attgacacct atgacaacat ccacttattt tgacttggat gaaaaaggta aattagtaga 240
 tgagtcaaag tacaaaggta tgattgggtc tgtcctttat tagactacaa gccgacgacc 300
 cactattatg cttagtgttt ggttatgtgc aatatatcat gcaaatccca aggaatccca 360
 tttaactact gtaaaaagga ttatcaagta tcttag 396

<210> 6876
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 6876

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 gagaaaaacg ttattgtcgt ttgaatttgc tcagagcttc aacattcaat ttcgagcatc 120
 tcgatatgtt acgggactca atccgacatc cgagaaaaaa gttattgtcg tttgaattag 180
 ctcagaagtt caacattcaa tttcgagcgt ctcgatatgt tacgggactc aatcatacat 240
 tcgagaaaaa agttattgtc gtttgaattt gctcagaggt tcaacattca atttcgagcg 300
 tctcgatatg ttacggtact caatcagaca tgcgagtaaa caatgatcgt ccgatgaatt 360
 agctcaaaga ttcaacattc aatttcgagc gtctcga 397

<210> 6877
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 6877

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aatatcga gacgctcgaa attgaatggt gaagctctga gccaatataa acgacaatga 120
ccttttactc ggatgtttga ttgagtcctg taacatatcg agacactcga aattgaatgt 180
tgaacctctg tgcatttca aacgacaata aatttttact cagatgtctg attgagtcct 240
gtaacttctc gagacgctcg aaattgaacg ttgaagctct gagccaatac aaacgaccat 300
aactttttac tcggatgtct gattgaggct cgtaatatat cgagacgctc gaaattgaat 360
gttgaacctc tgagccaatt caaacgacaa ta 392

<210> 6878
<211> 390
<212> DNA
<213> Glycine max

<400> 6878
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gaaattctcg agagcgtccg ttgttcaatt tcgatcgtct ccatatatta tgcgcctgaa 120
tcggacttcc gtgtgaatag ttatgaccat ttgaatttct cggtagcttt cgttgttcaa 180
cttcgaccgt ctccatatat tatgcgcctg gatcggactt ccgtgtgaca agtgatgacc 240
atttgaattt ctcgagagct tccgttgttc aatttcaagc ttctcgatat attatgcccc 300
tgaatcggac ttccatgtga aaagttatga ccatttgaat ttctcaagac cattcgttgg 360
tcaatttcca gcgtgtcggg atattatgcg 390

<210> 6879
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6879

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tgatgagtct aatgccattc ttccaagaga ctatgaagaa acatattgctc cagttgcaag 120
attagaagcc attagaatgc tcttagcata tgcattcata atgaatttta agctctatca 180
aatgaatggt aaaagtgtt ttctaaatgg tttaattcaa gaagaactat atgttgaaca 240
acccccaggt tttgaaatcc cggataaatc aaatgatgtt tataaattgc aaaaggctct 300

ntatgggttg aaacaagccc ctagggcgtg gtatgaacgt ttaagtaatt ttctcctaca 360
 aaaagaatgt ctagaggaaa gtggatccac attgtcatatc agagaagcta atgatatttt 420
 gt 422

<210> 6880
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 6880

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 atgatgtcgt cacttcattt ggctttgaaa agaaccatcat ggatcaatgt atataccaaa 120
 aggtcagtgagg gagtaagatt tttttcttgt gttatacgtg gatgacattt tgcttgcaac 180
 taatgataag ggcttgctat atgaggtgaa ataatttctc tcaaagaact ttgatatgaa 240
 ggatatggga aatgcatttt atgtcattgg cattaagatc catagggaaa gatctcgagg 300
 aattttgggt ttgtctcaag agacttatat taacaaattt ttagagagat ttaacatgaa 360
 agattgttca ccaagtgtag ctccca 386

<210> 6881
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6881

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 tttcttccac agaacacagt gtcctctgt cgataaagat gcacttcaat tgatgaaaat 120
 atccgaggtg cagtcgcttt agtttctgaa accctccaca ttgaaaatgc aaagtttcac 180
 cttcataagc attgccactt aaattgagga acaacaacct tgacatattt tttagtgatt 240
 tcaatgcac attagtcaaa ctggagccgt ccaaacgcag ttgcacaaga tttgggaact 300
 gtgaaatcca atttggaac cttgtaaacg tcccacatgt gacaagcttc ctaagtgtag 360
 acatangtga cgtaatgtac aagtcaatta cttcactcct atca 404

<210> 6882

<211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6882

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 aaagcagagc gtttggaatg atttcgtaaa tttctgagag ctgttaggga atgcagaaaa 180
 cgagattaac acgaaaatat aagtttgaat gaggaatgta gagggacgtg tgaagcaacg 240
 gtcgaatttg ctttggttca gtagtgaacg tgctattaat gttaagtgat tctgttgggc 300
 acgttcagat atcagtagtt gctacaattc ctctagcaga caaatgccca gcttgcccct 360
 cagttnttca aactgttttg catccaatgc 390

<210> 6883
 <211> 334
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6883

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 aagaccttga actacttcac attgattaat atggtacctc tataatctatg agtttcggag 120
 gtaattacta tggctgagtt atagtggatg attacttaat gttcacatgg actttgcttt 180
 tgaataccaa aaatgatgaa ggtcttatca ttgtttctct tagaattgat catggagggtg 240
 aatttcaaaa tgagtctttt gaaatctttt gtgaagaaca tggaatacac cacaatgttt 300
 gtcgctcaag aacacctcaa cgtaatgggtg ttat 334

<210> 6884
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 6884

agcttataca acataggtgc ttattagttt tatatggaaa atcacattcg ttgtacattc 60
 caatgatcga aagtctctat atgttaaata agatccttct agatcttaag aaaaggatta 120

agaagtactt ggtccttaag taccatgcct tagtggttatt gaaacactaa tgtatcttac 180
 tatgcgtaaa cgatttgata tatcatttcc cgctaattca ttagcaaaat ctaattcttc 240
 accaatatga agaaatttaa atatttactt cattatttta gaggttatat attagatcct 300
 cataaaatga tattacatga ggtgatacaa caatttcatg acaatatgtg aaataagcca 360
 aaataggcac atcagcta atcagcta catgtagaaa t 391

<210> 6885
 <211> 383
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6885

agcttgtgca ttcaatatcc tgatgagggt gttccatattg ttctcaagac tggactaata 60
 catttgctgc ccaagtttca tgggtcttgca agtgaagatc ctcttaagca tcttaaggag 120
 ttccatattg tttgttccac catgaagccc cctgatgtcc aggaagatca tatctttcta 180
 aaggcttttc ctcatctctt ggagggagtg gcaaaagatt ggctatacta ctttactccc 240
 aagtcattt ttagctggga tgaccttaag aggggtgttct tggagaaatt cttccctgca 300
 tctaggacca ctgccatcag aaaagacatt tcaggcatca tgcaacttag tggagaaagc 360
 tcgtataagt actngaaaag att 383

<210> 6886
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6886

tgaagganaa ctggatgcat tggttaactt gggttcccag ctggccttga atcagaaatc 60
 tgtacctatc gcaagggttt gtggtttgtc ctctctgtct gaccaccata cagacctttg 120
 cccttccatg cagcaacctg gagcaattga gcagcctgaa gcttatgctg caaatattta 180
 caatagacct cctcaacctc agcagcaaaa tcaaccacaa cagaacaatt atgacctctc 240
 cagcaacaga tacaacctg gatggaggaa tcacccta atcttagatggt ccagccctca 300
 gcaacaacaa caacagtctg ctcttctctt ccaaaatggt gctagcccaa gcagaccata 360

cattcctcca ccaatccaac aacagcaaca accccagaaa cagccaacag

410

<210> 6887
<211> 391
<212> DNA
<213> Glycine max

<400> 6887

agctttatta caagtcatag agttttaga taaatctata ttctattcta taactttttt 60
tacttgcagt tcaggagtta gtccttgcct tgttttagttt agaaaaaaga atacataaat 120
cgaataagaa attgaaagaa ttactatca attcaaataga agaaaaaaaa attgtttcaa 180
aaggatatca attgttaaga ttcaaagaaa aattattact ttttatcaat acaccaagga 240
acacttcagg ttaggaatat aataatcgga ttttgaaatc aaataacgcc tcaactataa 300
aaaattgaaa tattttgaaa aaaaaattat tttttttttc aaaatatttc aaaaggtaca 360
caaaacaaat aggacaattc taaagctttt t 391

<210> 6888
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6888

ngatagacga ctccaaagag cctccatcgt tgtcacacgc aaagtattga ccaattggtg 60
agagagcata gagtttctct ctacacccat cttcattggt gcgaatggag caattgagaa 120
gaaagtaact tgccaacaca ggcaatatgc gttcaagcct attagccaat tgacgggtgtg 180
gatttggag cagcaaagaa gcaatttccg aggctgacaa agatgaactc tctgccttgg 240
ctatgatatc aaacaaattc atatcaacag cagcgttcaa gattgcacgg aaaattcagc 300
tgaagcatag tgtcaaagct gagagagaag tgtcatcccc ctttgcttcc tctgtgggaa 360
gaacctgatt ttgtttccaa ttgcaaatat aggaattcat gattc 405

<210> 6889
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 6889

agcttgtgca tccaataccc tgatgaggat gtcccatatg ttcttaaac tggactgatt 60
catttgcttc caaagtttca tggccttgca ggtgaagacc cgcacaaaca ttgaaagaa 120
tttcacattg tctgctccac catgaaaccc ccagatgtcc aagagaatca catatttctg 180
aaggcttttc ctcatcatt agagggagtg gcaaaggact ggctgtatta ccttgctcca 240
aggccatca cgagctggga tgaccttaag agagtattct tagaaacatt ttccctgct 300
tccaggacca cagtcacag gaaggatata tcangtatta gacaactcag tggagagagc 360
ctgtatgagt actgggagag 380

<210> 6890

<211> 378

<212> DNA

<213> Glycine max

<400> 6890

agcttccttg agaagctaga gcttatctac acacaccct ctaatagcta cgctcacc 60
catgccaaaa tacattaaaa tacaaaaag tctctactac aaagattaca caaatgcta 120
taaaatacaa ggctaaaacc ctatactact agaatggcca aaatacaagg cccaaaagaa 180
ggaaaaccta ttctaattatt tacaaagaaa aatgggttca tacttaaccc atgagaccaa 240
aatctaccct aaggctcatg agaaccctag ggccttctct tgcattctctg acccaatctt 300
cttggagttt tctatccaat gcccttggag ggtagtattg catcaatata tagaaaaaga 360
ccatggtctt cttagctg 378

<210> 6891

<211> 369

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6891

agcttttagat gccttttaaag tttttaaggc tgaagttgat aaacaatgtg gaaaacaaat 60
taagatcgtg agatcagata gaggtgggga gtactatggt agatacatag aggatggaca 120
agcaccaggt tcatttgcca aatttcttca agaacttggg attgttgccc aatacactat 180
gcctagttct ccggatcaga atggtgtggc agaacgaaga aatcgaacct tattcgacat 240

ggtgagaagc atgaggagta atgtaaaact tctcaatctt ttgtagattg atgctcttaa 300
gacggctgcg tatatattaa accgagttcc aaccaaggct gtctcaaaga cancttttga 360
gttattcaa 369

<210> 6892
<211> 418
<212> DNA
<213> Glycine max

<400> 6892

tcaagcttgt catttcatcc acctcaaact ccttgtttaa tttctcatca gcagcgtcca 60
gtacttttcc ttcgacgtac aattgccaca tccaattcac aagaggcaca agaaattccc 120
catcttttga agtcctcctt ccgcatgcaa tttcaggagc caaaaccccg aaactataaa 180
tgtatgattc ttgctagccc tacctctatg gatataattct ggggaaagat accgataaat 240
ccccactact cctgtccttt gagtccttaa ccttgatcc accaactttg ccatctcaaa 300
atcaccaagc ttagtgctaa aatctgtgtc caacaacaca ttagccaact taatatccct 360
atgaagaaca ctttgctctg catcctcatg aagataacga agtgccaaag ccacgctt 418

<210> 6893
<211> 374
<212> DNA
<213> Glycine max

<400> 6893

agctttaact taatcaattc aaaagccttt tgtgcttggt cattccaccc aaacgcaccc 60
ttcttcaaac attcggcatc aggacttgct atagtgttaa aattctggat aaagcgtcga 120
taaaatgatg caagaccaag gaaagatctc acctccgaaa ctggtgtagg gctcggccaa 180
gtcttgatag catccacttt tgtttgatca acggatactc catcttttaga caccacatat 240
ccaagaaaca ccaccctttc aaccaagaaa tcacactttt cctcttccc atagagtttt 300
tgtgtcttta ggggtctcaa tatttgtttc aatgagtga aatgctctc tatagatttg 360
ctatacacca atat 374

<210> 6894
<211> 402

<212> DNA
<213> Glycine max

<400> 6894

tccactggta ggtagcatgc ttttatgtac accatttgaa acagggagag gacaatggat 60
gttttgaagg ctgttgata tgctcataaa caattatcaa gctttgtage ccaatctttc 120
cttgaagtag ctacgggtctt ttctagtatc cttttgatct ccctatttga aactttaact 180
catccatttg tttgtggatg ataggggtgg gctactttgt gtcgaatata gtagtggttg 240
aggacctttg aaagtcttgg cactctaaac ctagcaaaga tgtttctctt taaggactta 300
atcattatct ttgcatcatt agttgcacta gcaattgctt ccagccactt gttcgcttcc 360
ggcaagtgca ccagatcgca caagtagtat aaaacggtaa ga 402

<210> 6895
<211> 364
<212> DNA
<213> Glycine max

<400> 6895

agcttaagct cttcaactg cacatggctc ttaatgtttg aagagtatcc ttgtggaacc 60
ttcacccgac gaagacactg acaaaaactt atcttctcct ttttggacaa ggtatggcaa 120
gctaggggca agtaaatctt cttccatta gaccttggat gcaactgtga tcgtatgccc 180
atatcagcta gatcttgaca ggtattgaag ccaccttca tcttgcttg aatgttaagg 240
agagtcccaa tcacactatc acaaacattt ttctccacat gcataacatc aatacaatgt 300
ctaacaatcaa gatcagatca gtacgaaaga tcaagaaaaa tggacctctt cttccatag 360
caac 364

<210> 6896
<211> 366
<212> DNA
<213> Glycine max

<400> 6896

agcttctcaa gggggtgagc ttagttatta gaggggtgat gtagctaagc tctagcttct 60
caaggaagtt ttctcaaaga agcttctcaa ggaagtttct tcaagaaagc ttctcaagga 120
agctacctag tccataaata gaaccatgag caagaggctc caagaagatt gggctagagc 180

tgctgaagaa ggcctaagg ttctcatgca ccttagggta gatttctgag cccatgggcc 240
aaggttgggt ccaattatct ttgtacgtat tagactagga tgtcattata ttgggtcctt 300
gtatttaggg ctccatattg taggtagggt accctagaaa tataggattt ttcagccctt 360
gtattt 366

<210> 6897
<211> 255
<212> DNA
<213> Glycine max

<400> 6897

aaaccgagca gttctaataa gatttggtat atgaataccc ttacgctttg cagatatata 60
agggtgacatt ttaggattcc attttctagt accgtggcca aaatgaactc ctgcttccat 120
catctcttcc aagattatgt tccaatatct ttttgcatt tatatttatc cccacacttt 180
tctttcattt caaatcgaa attctataaa ttttttgaaa tgaaagaaag agaccggta 240
tactgaaata gaaat 255

<210> 6898
<211> 372
<212> DNA
<213> Glycine max

<400> 6898

agcttcttac aaagcatagc gctttctgga tgtagatgat gatatttata cagatggatc 60
ttatatatct atatatctat agatagatat atagatatag atatatagat atagatcata 120
caatgaagta ccgcacgagt gggtatatag gaatccaaat ctgccgaatc actcatgtta 180
tgatcttcta catcctaggt cttcccggtc cttcatctgg cttatgttct tcatgtagca 240
ttcagactga atgactctat gaaattacgt cgctacttcc acatgggtacg ggtaacgtag 300
gagacatctc tatttttccc ggggggaatc cttagaatta ccacagctta gctttcaatt 360
cgctctgac ca 372

<210> 6899
<211> 417
<212> DNA
<213> Glycine max

<400> 6899

ctcaagctta tttagaataa gagttgcaag tgcatacctt tccacatcct cggcaataat 60
caataaagggt ctttgtctct ggagatatgt aggtgtcagc aaatatcaat tattttaaaa 120
gtcaaagca aaagtgaatg gcactgctca cttcaaagc caactctaag actttaacta 180
tagcatttat actagagatt ttcttctcat gaattagaat aaggggatct tcaagttcct 240
atagacaaca agacatggca agtgtaagta cgtacgaaac aaaagaaggg tttgtgaaca 300
agtgacttca tacaatcctt ctacatatat tttaatgttg tgaagtagag agaagagata 360
agtagataac atacacattt ctggttctta tcgtttgtaa tgaaataagg agatatg 417

<210> 6900

<211> 354

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6900

agctntggca actccttgac aacatagtca tacatgcgcc aattcttcca tttctcttgt 60
gtagcattga gataaaatcc tgcacctgtt ccagaatgta tatgaaaatc agatatgcta 120
aattgccaat attaccaat tatggagaaa tattcagaaa agtaaaatat gccaatatcc 180
actaaccag caataatgtt caagacagtc cacatctgat ttaggtggga aagagaaaca 240
gaaagaaaga gaaagagagg cgaaagggga agaacagaat agcgaggata gagagaaaga 300
ggagagaaac agagggatca aagaaactgt gaactgcaca tcagtcataa tata 354

<210> 6901

<211> 366

<212> DNA

<213> Glycine max

<400> 6901

attccttatt ttcagaacgg aattctatct atagacctcc catctttaat ggagagggtt 60
accactactg gaaaaccga atgcacattt ttatcgaggc aataaatcta aatatctgtg 120
aagccataga aatagggcct tatataccca ccacagtcaa tagagtttca atagatggta 180
gttcgtcaag tgaaagcata accatagaaa aacctagaga tagatgggtct gaaaatgata 240

gaaaacgagt acaatacatc ctataagcca aaaacataat aacatctgcc ctatgaatgg 300
 atgaatattt cagagtttca aattgtaaga gtgctaagga aatgtgggac actcttcgat 360
 taacac 366

<210> 6902
 <211> 353
 <212> DNA
 <213> Glycine max

<400> 6902

agcttatagt atatcgagat gctcgaaatt aaacatcgga agcgctcgag aaattcaatg 60
 ggtcataatt tttcacacgg atgtccgatt cggg'gcata acatatagag gcgctcaaaa 120
 ttgaacaaca gaagctctcg tgaaattcaa atggtcataa cttgtgactc ggatgtccga 180
 ttcaggcgca tcacatatag agacgtatga aattgaataa cggaagctct cgagaaattc 240
 aaatgggtcat agctttttcac accgagggtcc gattcaggct tataacatat tgatatgttc 300
 gaaattgaac ataggaagct ctcgtgaaat tcagatgggc ataacttttc aca 353

<210> 6903
 <211> 373
 <212> DNA
 <213> Glycine max

<400> 6903

agcttgccctg cattgtgttg ttatcaaggt ccagcatcca gaaccaata gtaaatacaa 60
 gaacaaccct tgttcatgtc cctttaaatg ctctacaatt ttagacatat gaatttcatt 120
 aatgtatgac taaggatcatc atatctgtga aatttaaaag tcaaagaaat aaaatgagta 180
 agaaaagaac tagaggatga gaacagaaac ctgcaatgct catgtgtatc acctaataca 240
 tatccagtgt ctgtagaaaa tccaattaat atcacctaaa ttataagact tgacatagca 300
 catatgtaat gtagtataaa aaaacaaaat caaagtaagc aattaatgtc acaaagtctt 360
 acagctagac ata 373

<210> 6904
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 6904

ntaagccaat tcatacgaca ataacttttt actcggatgt ctgattgagt cccgtaatat 60
atcgagacgc acaaagttga atgtttaagc tttaagccaa ttcatacgac aataactttt 120
tactcggatg tctgattgag tcccgtaata taacgaaacg ctcgaaattg aatgttgaag 180
ctttgagcca attctaacga taataacttt ttactcggat gtccgattga gtctcgtaat 240
atatcgacac gctcgaaatt gaatgttgaa gctctaagcc tattcaaaca acaataacgt 300
tttactcgga tgtccgattg agtgacgtaa tatatcgga cgctcgaaat tgaatgttga 360
acctctgagc caactcaaac gacaataact ttntactcgg atgt 404

<210> 6905
<211> 362
<212> DNA
<213> Glycine max

<400> 6905
agcttaaaca ttcaatttcg agcgtctcgt tatattacgg gactcaatca gacatccgag 60
taaaaagtta ttgtcgtttg aattggctca cagctttaac attcaatttc gagcgtctcg 120
atatatttcg ggactcaatc agacatccga gtaaaaagtt attgtcgttt gaattggctc 180
agaggttcaa cattcaattt cgagcgtccc gatatattac gtcactgaat cggacatccg 240
agtaaaaagt tattgtcgtt tgaattggct catagcttca acattcaatt tcgagcgtgt 300
cgatatatta cgggactcaa tcggacatcc cagtaaaaag ttattgtcgt tagaattggc 360
tc 362

<210> 6906
<211> 361
<212> DNA
<213> Glycine max

<400> 6906
agcttagaat tatacaataa cactttttgc ccgaccatga agttcttttt aattatcatg 60
ctatcatgga acttcttggt cttttttttg tataactcgg cattctcata ggcttctaag 120
cggatctcat ctaactcact cagttgcaac tttctttcct caccaacttg atccatacag 180
aagttgtagg tcttcactgc ctagtatgct ttgcgctcaa tctccactgg aagatgacat 240

gcctttccat agacaacccg ataaggagac attcctatgg gtgctttgta ggcagtccta 300
 tgtgccc aaa gagcatcatc aagcctggta ctccaatctt tcttgcttgg ctgcacagtc 360
 t 361

<210> 6907
 <211> 383
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6907

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 gaaagactca tgggttaaacc ttcgtattgc atcttcttga tgctcgaagc atggtagcat 120
 cttctttgat tatggccatc tcttggactt catcctgtgt ctcgagttct acccttatgt 180
 tttcttcatt ttgttgtttc tggaacaata ttctccttgt cgacggttcc ccaactttga 240
 tgaggatcat ggcgtctgtg ccataatgtaa gttggaaagg agtttcattg gtggttgtct 300
 aggggtgaaca atgataggcc cagagtatac tgtggagttt ctccctccat agacccttag 360
 acatatcgag tctagtgtgc atg 383

<210> 6908
 <211> 355
 <212> DNA
 <213> Glycine max
 <400> 6908

tcattggcata cctacctcta tagtggttaga tagggatcct aaattgacct ctagattttg 60
 gagggcattc caacaagctt ttgggggtcca agctaagttt taacactact tatcatcctc 120
 aaatggatgg ttagtcagag aggaccatat agacccttga aaacatactt aaagcatgtg 180
 ttcttgatga aggtggaact tgggataagt ttttaccctt tataaagttt gtgtataaca 240
 atagttatca cactagcata ggaatgacac cttacgaagc cttttatggg aggaagtgtg 300
 gatccccctt atgttggtgt gaggtgggtg agaagacctt gatagggcca aacat 355

<210> 6909
 <211> 365
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6909

ttgagccaat tcaaacgaca ataagctttt actctgatgt ctgattgagt cccgccatat 60
atcgagacgc tcgaaattga atgttgaagc tctgagccaa ttcaagcgac aatatctttt 120
tactcggatg tctgattgag tcctgtaata taacgagacg ctcgaaattg aatgttgaac 180
ctctgagcaa attcaaacga caataacttt ntactcggat gtctgattga gtcctgtcat 240
atatcgagac gctcgaaatt gaatgttgaa gctctgagcc aattcaaacg acaataactt 300
tttactcgga tgtctgattg agtcctgtca tatatcgaga cgctcgaaat agaatgttga 360
agctc 365

<210> 6910

<211> 395

<212> DNA

<213> Glycine max

<400> 6910

eggacttctt gtgttttggg aacctctctt tcctcatgtg tacccaaacc ctatcacttg 60
gttcaagcac gactttcttt ctgcttttgt tggcttgctt tgcatagctc gcatttttct 120
tttcaatttg aaccttcact tgctcatgca acttcttcat atactcagct ttagcctgtg 180
catccttatg cttaaacata gcaatgttag gcataggcaa caaatcaaga ggagtcaaag 240
gattaaatcc atacactatc tcaaattggtg aacaattagt tgtgctatgg acagcccgat 300
tataagcaaa ctcaacatga ggcaaacagg cttcccaaga tttaagattt ttcttttaaa 360
cagtcctaag cagtgtgcct aaagtcctat tgact 395

<210> 6911

<211> 374

<212> DNA

<213> Glycine max

<400> 6911

agcttctata ttgcatgtcc tagttggccc tgacttctcc gttttttttt taattgtgga 60
ttacagaatt tggatagggc aattgaccac aaggcattgc atgatacctt ttctacattt 120
ggaaatatcc tttcgtgcaa ggtagctacg gattcatctg ggcaatcaaa aggctatggc 180

tttgttcaat ttgataatga ggaatctgcc caaaaagcta tagagaagct gaatggtatg 240
 ctgttgaatg ataaacaagt gtacgtggga cccttccttc gcaagcaaga gagagaaagt 300
 gctgctgaca aggcaaaatt caacaatggt tttgtgaaga atctatcaga atcaaccacc 360
 gatgatgagt tgaa 374

<210> 6912
 <211> 429
 <212> DNA
 <213> Glycine max

<400> 6912

gtgactgtat acatactcaa gcttatatat caaagatctg ataatttaga agttgtctgc 60
 tactcaaact cggattttgc tggttgcgtt gactctcgca tgtcaacatc tggatacatc 120
 ttcatgatgg ctatcaaagc aatatcttgg agaagtgcaa aacaatcatt agttgctact 180
 taccatggag gctgagttta tttcattatt tgaagcgaca tcacaaggta tttgggttaa 240
 aagtttcatg gtcgatctac aagtgattga ttatgttctt agaccattaa agatatattg 300
 tgataattca gctgctgttt ttttgactaa aaaaaataaa agtgggaagt gaagcaaaca 360
 cgtcgacatt aagtatttag tcttgaagga acatgtcaaa gcaaattaaa tcatcattga 420
 aaacatcag 429

<210> 6913
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 6913

agcttgtaat gtctcttgggt gatggtattg agatgcccgga tcttttttagt gttggccagt 60
 ttggagagca agtctactct agtgttggtc tcccttggta tgtggaacaa ctcaaagcaa 120
 tcaaagtcac caatgagggg ttttgcaaca tgatagtact tgaaccttgg cttgatattt 180
 gtttgcaact tgcctttaa caaggtatga gtcagtgtaa caccttatct ttttggcttt 240
 aacttctttt gctagcttta ggcatgttat aagtgcctca tatttagctt gattgtttga 300
 tgctttgaaa ttgagcttga gagcttgctc taaagtaaca ttgtcgagcc cttcaaggat 360
 gatgcttgct cctact 376

<210> 6914
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 6914

tctccatgca aacttcatta gagaggtcag gttttgtact tggcttgcca atgccgtcat 60
 ggtcaaaaag gccaacggca aatggcgaat gtgcaccgac tacactaatc tgaacagggc 120
 ataccccaaa gacgtgtacc ctctccccag catcaatagg ttggtcgatg aagcgtccga 180
 attccagggtg ctaaccttct tggatgccta cttcggatac aactagatta gaatgcatcc 240
 tctagatgag gagaaaatga aattcataac taaaaatgtc aacttttgtt acaaggatcat 300
 accattcggc ctaaaaaatg caagcgcgac attccaatga ccaatggacc gagtcttcaa 360
 acaacagatc ggac 374

<210> 6915
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 6915

agcttcaacc aagaggggat ggtccatttc aagtacttga aaagataaat gacaatgcga 60
 acaagattgg attgcctagt gagtataatg tgagtactac atctaattgtg tttgacttaa 120
 ctctttttga tgtagatgga gaagccgatt tgagaacaaa tcctttttgaa gagggagaga 180
 gtgataagga caaggcaagg aataagggca aggaaccttt agaaggactt ggaggaccta 240
 tggcaagggc tagaaciaag aaggccaagg aagctcttca acaagtgtta accatgctat 300
 ttgaatttag gcccaagtta caagtggaga aacttcggat tgttaattgc accatgttcc 360
 aagaagaata gaggatgc 378

<210> 6916
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 6916

tgtgcctctt cagctctgga atatgaatgt agcatataga tccaaagacc cttagggtgct 60

ttactgatgg ctttttcccg ttccaagctt caattggagt cttgtctttt atagacttag 120
 ttggacatct gttgagtatg taaatagcag tgtagactgc ttcagcccag aatgtgtag 180
 gtagtccctt ctcccttgagc atcgatctag ccatttccat aattgtgcga ttctttctct 240
 cagacactcc attttgttga ggagaatatg cgactgtaag tttacgtca atgccttcat 300
 cctcacaaaa tctttcaaac tcgcgagagg tgtactcttt gccgcgatca cttcttagta 360
 cttttatcca ttttccactt tgattttcaa caagggcctt gaactttttg 410

<210> 6917
 <211> 246
 <212> DNA
 <213> Glycine max

<400> 6917
 agcttgccgc cacggagttt tcctactatg ctcttgtgtg gtggaacaag ctacaaaagg 60
 agagagcaag aatgaagag ccaatggttg atacatggac ggagatgaaa aagatcatga 120
 ggaagcggta tgttccggct agttactcaa gggacttgaa attcaagctc caaaaactaa 180
 cccaaggcaa caaggggggt gaggagtatt tcaaggaaat ggatgtgctc atgattcaag 240
 caaata 246

<210> 6918
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 6918
 ttgcagcaga tgtcactcta ctataaacc ttgtagata tgtatgcaag gaagcataaa 60
 tatattcgcc aagatagcat catagtggat ggaaaatgct gtgttgtgat ccagaatatt 120
 cttccacca agcataaaga tattgggagt gtaactattc cttgttcaat tggacaagtc 180
 aatgtgggaa atgctcttat tgacctgtga gccagtatca atttgatgcc actcttcatg 240
 tacagaagat tgagagagtt ggaaataatg ctactcgaa tgactttaca attagttagt 300
 cgcaccatta ccaggccata tggagtaatt gaggatgtgt tggatcatagt aaaacatttt 360
 atcttctctg aagactgtgt ggtaatggat a 391

<210> 6919
 <211> 366
 <212> DNA
 <213> Glycine max

<400> 6919

agcttctgtt gttcaatttc catcgtctcg atatattatg cgctgaatc gaacatccga 60
 gtgaaaagtt atgaccattt gaatttctca agagcttccg ttgttcaatt tcaagcgtct 120
 cgatatattg tgtgcctgaa atggacatcc gagtcataag ttatgaccat ttgaattgct 180
 caagagcttc cattgttaaa ttttgggctg ctcatagat tatgcgctg aatcagacct 240
 ccgagttaaa agttatgacc atttgaattt ctgagagct tccgttgctc aatttcgagc 300
 gtctcgatat attatgcgcc tgaatctgac atccgagtga aaagttatga ccatttgaat 360
 ttcacg 366

<210> 6920
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 6920

tccgcttatt agtgcacagc tccttcaaga atttatcata tcttgggatt tgctatattg 60
 catccactag aggtatgttt acctctactt ttctaaatgt ttccaagatc tccttctttg 120
 gctcttccat ttttttggtg gaaattgctc tcggagggaa tggaagaagg atatgttgct 180
 tctctttaga ttcacctgca tacaaattgg taggtatctt actctctaaa tttttgtcat 240
 catctttttc tggagtagag tgaagctggg caggttcatt tgcagatgac gaagatgttg 300
 cttgttgagg ttcttgacac tgctttctcc acctcaatgc aatggcactc acatattttg 360

<210> 6921
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 6921

ttagacatgc acattttaag aggaagcttg tgttgtgaat aattacgagc caacaagaat 60
 aaggtgaaga tgatgcttag atatacagat taaattcatt agagcataaa ccaagtcata 120
 cggtttgtgg atcaacaaca aaaacaagat gtacttgatc aaagtgcttc caagctttgc 180

cattagatgg atgacataac atttaaaaac ttcttctgtt ttggtgggtc catgtcattt 240
 gtcctgcagt ttgcattgat gcaaaccattc tgtgtagcta aggaattata ggcaaataga 300
 acattgcctt aactagaact tgttttttgt tacttgatcc agtgttgagc tcatgatata 360
 ttgactttta acaaa 375

<210> 6922
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 6922

tgaatcggac ctgagtgtga aaaggtatga ccatttgaat ttctccaaag cgttcgttgt 60
 tcaatgtcga gcatctcgac atattatgag ctggaatcga acatccgagt gaaaagatat 120
 gaccatttga gtttctcgag agcttccgtg gttcaattcc gagcatcgag acatattatg 180
 tgcccgaatc tgaccttctg gtgaaaagtt atgaccattt gaatttctcg agagcttccg 240
 atgtttaatt tcgagcgtct caatatattg taagcctgaa tcggagctcc gtgtgaaaag 300
 ttatgaccat ttgtatttct cgaaagcttt cttggttcaa ttctgagcat ctcgacatat 360
 tatgcgccccg aatc 374

<210> 6923
 <211> 366
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6923

gtcccatatg ttcttaanac tggatctaatt tcattgcttc caaagtttca tggccttgca 60
 ggtgaagacc cgacaaaaca tntgaaggaa tntcatattg tctgctccac catgaaacct 120
 ccagatgtcc aagaggatca catatttctg aaggctnttc ctcatcatt agagggagtg 180
 gcaaaggact ggctgtatta ccttgctcca aggtccatca cgagctggga tgaccttaag 240
 agagtattct tagagaaaat tttccctgct tccaggacca cagccatcag gaaggatatc 300
 tcangtatta gacaactcag tggagagagc ctgtatgagt actgtgagag atntaagaaa 360
 ctatgt 366

<210> 6924
 <211> 354
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6924

tgtgagaggt gctaatacct tccttaacgt aaatacaact cccgaatctg gaaaattctt 60
 catgactggt ttccttcggt tntttccgac gttntcaaga aataaacggt ggtggcgact 120
 ccgtgcattt acctcctttg gaagatgcac ctgtgagcct cgtttcgctc gcccgcanaa 180
 gggtaggttg caacagttgg cgactccgct ggggactggt tntgtgagtt aggcctattt 240
 tangannatg tgtgttagtg cttagcttta ctgagctnta aaagaatggc taannatttg 300
 ttaaacataa acacttanac aatggangaa agctggagtt gctgacatga tgtc 354

<210> 6925
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6925

gactggacta atacattctg tgcccaagtn tcatggtctt gcaaggaaga tcctcataag 60
 catcttaagg cgttccatat tgtttgttcc accatgaagc cccttgatgt ccaagaagat 120
 catatctttc taaaggctnt tcctcattct ctagaggag tggcaaaaga atggctctac 180
 taccttgctc ccaggtccat tntcagcang gatgacctta agagggtgtt cttggagaaa 240
 ttcttccctg catctaggac cactgccatt agaaaagaca ctctangcat canganactt 300
 agtggagaaa gcttgcata gtattgcgaa agaatacaaga aaatgtgtgc angctatcct 360
 caccaccata attctgagca acttcttctt caatatttct a 401

<210> 6926
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6926

agcttgatgt aacagagaag aagagagcgc gagagaatac acggagaagt aatgatcggt 60

atcaaaatan ggtgcgtcan atataatnta naatgtaatt tcaacatcgg ttntcaataa 120
 aaaaactgat gttaacaaat tgatgttaaa tgatcatacg ttaacatcgg ttttctacaa 180
 aactgatggt aacggataca cattatttac aattatgcca ccgctgtgat gttaacatcg 240
 attntgtcaa aaaccaatgt taatctgtcg atgttaaaat tgctttttgt agtagtcgac 300
 ggtcgcacga agaacacaaa acaagaaaac gacgtangga atgatcgtgg ttgcaattcg 360
 gtagcgcctc ggcttcgttc cctctctttc tctcttctct ta 402

<210> 6927
 <211> 420
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6927

atgagactta ctcttattt aatagacaac atcttatcat tttgtgtttc caatanattt 60
 taaatacagt gtaataaata gagagtgtgt tgcaacacta ctctctnta atctttgcat 120
 catttactta gtcttaccga agtgtattgt gttcgtattt gattaactta naacatgaaa 180
 ttgttaaagt taaggatatt cgctctttaa aatgtgagat gttacataaa ttatttataa 240
 aagataacaa atttacaatt agtttatgaa tatgtacnaa atgtgataaa ttaatcatac 300
 agacaactta atgacatact tactcttana ttataaaatt atatcanatt gatcttttaa 360
 aatataatta tttcaaatta tcatgacgat aacactatca tattctcttg tatatatatc 420

<210> 6928
 <211> 334
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 6928

ctcacatatg gcggtgagct gcgatatgaa tctggcaata taattcaagc gtcccaggaa 60
 acctcagact tgctctctg tacggngttc tggcatctca aggatagcct tcaccttttc 120
 ggngtctacc tctatccctt tctggcttac aatgaaacca agcaatttcc ctgatttgac 180
 cccaaaggta cacttagcgg ngttcaacct taatngatat ttcttaagcc tttcgaacaa 240
 cttccgcagg ttgacaaggt gttcttctc ggatttagat ttagcaatta tgcgtccac 300

gtagacctcg atctctngat gcatcatatc atgg

334

<210> 6929
<211> 320
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6929

attcatggct atggcattga agatctggtc acttcaacac tcaagctnta tgctgctgcc 60
tcaaaataat atgatgagag atctaccatg cctatatgac tataatgaat cttgtgaagg 120
atgtcttctt aaaaagcaac aaaattacca ttttcaacta acaaagcatg tagagctaaa 180
gactcgtcag agttaatcca cactaacatt tgtggaccaa tgacgacatc tgcactaaac 240
aacaacaggt atctcatcct ctctattgat gacttttcta gaatgactcg gtctacttct 300
ctatagaaca atcaaaggtc 320

<210> 6930
<211> 320
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6930

tctcatgtgc acccaaactc aatctccggg ttcgaagaca accttctntc tcccgttggt 60
ggctggtgta gcatagctat tatttttggct ctcaatttga tctttgactc tctcatgaag 120
cttcttcaca tagtccgcct ttgcttgacc ttcttaatgc ttaaaaacag aaacattagg 180
cataggcaaa agatcaagat gagttagtga gttaaaacca tacacaactt caaaaggaga 240
acagttagtg gtgctatgaa cagctctatt gtaagaaaat tcaacatgga gtaaacaagc 300
ttcccaagct ttttaagttct 320

<210> 6931
<211> 310
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6931

atccgagang agaattattg tcctttaaat atgctgagac ttcacttntc aattaaggagc. 60
 gtctcgatgt attacgggtc tcaatcggac ttccgagtta aaaattattg tcgtttgatt 120
 tctctcagag ctnttggtgt caattacgag cgtctcgata tcctacggta cactattgga 180
 catccgagtg aaaagttatt gtcgttcgaa ttttgttaga gcttatgttt tcaattacga 240
 gccgtttgat atcccacggg acacaatcgg agattcgagt taaaagctat tgtcgttaga 300
 atattctcat 310

<210> 6932
 <211> 468
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6932

aagtatgtat ggcanaactt cattactgtt gttcaagaca tacaagtgag cttgtaacan 60
 atgttctaca cttggagtga tcacatgcag tcctcttgaa cccttaccac ccactctgtc 120
 atcatgccga gactcaggaa ggccaacagg tttagccttc tcaatgtatt ctgaacaaaa 180
 ttcaatggct tcttctgcaa tgtacctctc aacaatagat gcttctggat gatatagatt 240
 ctttgatac cctnttaaga tcttcatgta tcgctcaact gtgtacatcc accgtagata 300
 aacaggacca caacatttga tttctctgac cagatgcaca atcaagtga tcatgatgtc 360
 aaagaatgca tgcggaaaat acatctgcaa ctggcacaat ataatngcag cctcattttc 420
 cagctcatca nacttgacan gatcaatgac tntgctacat atagcatg 468

<210> 6933
 <211> 152
 <212> DNA
 <213> Glycine max

<400> 6933

agttcacact gatgtgtgat gctagtgtct atgctatagg tgcagttctg ggacaacaac 60
 gagacaagat attccatgcc atatactatg ccagcatggt cctgaatgac gaacagttaa 120
 attatgtgac cactgaaaag gaaatgatgg gc 152

<210> 6934
 <211> 322

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6934

 tagacatgtg gcctcagata tcttaagaag gggggtgtga attaagatat ccacacagtc 60
 tccgctaatt aanaatctat tgcactctct tcttactcaa gttatgaatt cccttaatga 120
 caatcttcta gatattaatt cacacagagc aactcgaata tgaatataac gcactaataa 180
 ataacggaga ttaagggaag agaatatgcn ttctcagttt tatactgggt cggccacagc 240
 ctagtgccta cgtccagtc ccaagcaacc cgcttgagag atccactatc ttgtaaattc 300
 cttctacagc atctaaacac ac 322

<210> 6935
 <211> 277
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6935

 atagatacca atccagggtg aggaatcatc taaatctgag atggacaagt cctccacaac 60
 aacaacagcc tgtccctcct ttccagaatg ttgctggtcc aagcaagcca tatgttcctt 120
 ctccaatgta gcaatagcag cagtagtcac aacaaagaca acaagcaact gaggtctctc 180
 ctcaaccttc cttataagag ttagtgaggc aaatgatcat ccagaatatg caatgtcagc 240
 aagagacaag agcctncatt cagattctga caaatca 277

<210> 6936
 <211> 404
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6936

 gctcgactct tctgactcat gatgtagatc catgtcattc tngagtagtc atcaattatg 60
 gacagaatat atcttccacc acccagagaa ggtactcttg caggccctca acagtcagca 120
 tgaatgtaat caagagttcc ttgggtgggt tgaattgctt tangaaatnt aatcctatgt 180
 tgcttgctga aaacacagtg ctcaaaaat ntcagttcat ctagtttctg atttctaac 240

agctgttggt ttttgaagta tcatcatacc tttntcactc atatgaccta tcctcatgtg 300
ccacaattga gttaagtcag gtatgctctt attggatctt gatgcaacag ctactagacc 360
atcctcaaca catgttgtag cttgaagtat atagagatta cccc 404

<210> 6937
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6937

ctaactcttg attctttggt atcaccataa cattcatgga agccattgct tccacactta 60
gaagctcaat tctaggattn gataatattt gggacttgta tgcttttagat gaacatttct 120
ctcccagtta gagagttgtg ggaaataggc ccaagatgga tgtcttttgg ctgaggggta 180
tttagtcaaa gagggaaaac tntgcatacc ccaaggatcc attagganat tacttgtgaa 240
agagatccat aatggtgggc tcatggtcca ctttgggata gacaagacc tcgtctactc 300
anagaanagt tntattggcc ctatatgaag aaagatgtcc ataagcattg cactatgtgt 360
gtggctcgtt acaagccaag tctatggtga tgccttatga gctatacaca 410

<210> 6938
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6938

ctaatacatt ngctgcccga gtttcatggt cttgcaagga agatcctcat aagcatctta 60
aggagttcca tattgtttgt tccaccatga agcccnctga tgtccaagaa gatcatgtct 120
ttctaaaggc ttttcttcat tctctagagg gagtggcaaa agaattggcta tactaccttg 180
ctcctaggtc cattttttagc tgggatgacc ttaagaaggt gttcttggag aaattcttcc 240
ctgcaactag gaccactgcc atcagaaaag acatttcang catcangcaa cttagtggag 300
aaagcttgta tgagtactgn gaaagattca agaaattgtg tgcaagctgt cctcaccaat 360
tgagttctga acatcttctt cttcaatatt tctat 395

<210> 6939

<211> 282
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6939

acatcaatac tatatnntga aacaccaaga agaagttgaa tagtaaaacc tgcataatgca 60
 agaagaggtc aatattcttt gattnnttgt attgggtcaa ccttgatggt agacattgta 120
 ttgatgttat gcatgttgag aanaaatgtg tgtgataatg tcattgacac gcttcttaac 180
 atttaaggaa agacaaatga tgggtttaaact actcgtcaag atctaactca gatgggtata 240
 cgtgactagt tacatccaag gtctgatggt aagaaaatat ac 282

<210> 6940
 <211> 313
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6940

gtgagctnng aacaaatctt ctacacttcg agtgatcaca tgaagcctct tgaaccctta 60
 ccaccactc tgtcatcatg ccgagaatca ggaagcccaa cagggttagc cttctctaag 120
 tattctgaac aaaattcaat ggcttcttct gcaatgtacc tctcaacaat ngatacttct 180
 ggatgatata gattctttgt ataccatttt aagatcttca tgtatcgctc aaccgggtac 240
 atccaccgta gataaacagg accacatcat tngatttctc tgaccagatg cacaatcaag 300
 tgaatcatga tgt 313

<210> 6941
 <211> 340
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6941

gctctcgaga aatctagtgg cataaatnnt atacatatgt ccgattcggn gaaataatat 60
 atcgagacgc acgagataga acaacggaag ctctcgagaa attagaatgg tcataacaat 120
 tcaactcggat gttcgatccg gagacataat ttatcgagac gctcgatatt gaacaaccga 180
 agctctcgac acaatagaat ggtcgttaact tctcacgcga atgttcgata cggtgacata 240

actcatctag acgctcgata ttgaacaacg gaagctctcg agacatatga atggtcataa 300
 gggtttcacac ggatgtccga ttctgggaca taatatatca 340

<210> 6942
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6942

ctcttcttcc tctntcgccc cattagtgt accacgtgat gttacattg gttntntaca 60
 naaactgatg ttaatagaat ttttcttaac atcgantttt gaaaaatcga tgttaatgtg 120
 gtgatattaa catcggtttt tgaaaaatct gtttttcaaa aatcaattaa cattgattnt 180
 gtaaaaatct gatgttaaca ccgccacgtt aacaccggtt nttntaaaaa tggatgttaa 240
 caaaatcaat ttatttacia aaatgccatt ngccttttgt taacatcgtt ttaacanana 300
 accaatgtta aagaagtgat attgaanaca ttctttctag tagtgaataa tcttgattat 360
 ggtgtgggta anggtgcttt ggggctttct ttgatctgat ttgggttct 408

<210> 6943
 <211> 337
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6943

tgaagntata tagggtttgg tctcattcac aatcctcatt tttggtgat agttcttgg 60
 aaagggaagc attgataaga ttgtaagaga tgatgaacaa gcaatatcat ttgattgaga 120
 tcccaggaat aatgccatta aaggtgcagc aaatgcttta tcttatatgc atcatgactg 180
 ttcacctcca attgttcac gagatatatc aagcaagaat attgcttagg atttgagta 240
 tgtggctcat gtctcagata ttggagcagc caggcttctt aatcctaatt caaccaattg 300
 gacctcatte tgtggcactg ttggatatgc tgctcca 337

<210> 6944
 <211> 354
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 6944

gcttccgtca gtggtacctt aagnttcatt ggataatttc ttcattngcg tttgangaac 60
accccatgga tcaatgcata taccacaagg cagtgtgagt aataatatgt tttcttggtc 120
tatatgtaga tgatattnta cttgcaacca acgatcgggg tttgctacat gaggtgaaac 180
aatttctctc taagaatttt gacatgaagg atatgggtga tgcattttat gtcacggca 240
ttaagattca tagagataga tctcaaggta ttctgggtct atcacaggaa acctatatta 300
acaaaattct agagagattt ctgatgaaag attgttcacc aagtgttgct ccca 354

<210> 6945
<211> 326
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6945

tctatccttt ctatgatgga gccaatctca gtcacnctca ttaagaacta gctctnttct 60
tcctctattg cctttagttg aatacacctt cttgttggtt ctctatttgg ttcttaacct 120
tctcatgcat cttctttaca aattctgacc tagattcccc ttctttatgt ataaaagaag 180
tgtccagtgg gaggggaatg aggtctaacg gtgttagggg attaaaccca tagacaacct 240
cataagggga ctgcttggtg gttctatgaa cccctctgtt gtaggcaaatt tctacatgag 300
gaagatactc atcccaagac tttatg 326

<210> 6946
<211> 359
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6946

acacaatgat aatactatgt atttattaac catacttaat agagaatctt ataacactac 60
gaaataacca taaattggga gagtttgata caatttatac aagcttnata cacaaaagat 120
agtcattnt accgactaac acctaccgc aagggcattg gataaagaag acttcaagta 180
gattacgcca aggatccaag ggaaggccct atgggttctca tgagccttag ggtagatttc 240

gggcatatgg gttaagtatg agcctgctaa tctgttaa atacaataag tattccttct 300
 tttggccctt gattctggcc ttctatagca tagggtttag cttgtattt aagatattt 359

<210> 6947
 <211> 320
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6947

tcggatccct gtcagatata atactagaag gaattccatg caaccttact acttcctcga 60
 tgtacaactc cactagctnt tccattctat acttcatatt caccggaaca naatgagcag 120
 atttggtgag tcgatctact atgaccacaca cggcatcatg cncacgacta gtcttgngta 180
 aactagatac annatccata gatatgctct cccatttcca ttccggaatc tccaatggct 240
 tcaattctcc cgatggctgt tgggtgctcaa ccttagcctt ttacatgtan acatcttgct 300
 catattcgtt acatctttct 320

<210> 6948
 <211> 312
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6948

aagctcctta actgcacaat gctctttaat attgaagagt atacttgtgg aaccttcacc 60
 tgacgaagac actgacaaga acttatcttc tcttcttgg acaaagtatg gcaagctgga 120
 ggcaacgtaa atttcttccc atcagacctt ggatgcaact atgctcttat acccatatca 180
 gctagatctt gaccggtatt caagccatcc ttctgttgc cttgaatgtt aaggagcatc 240
 ccaatcacac tgtcacaac attnttcttc acatgcataa catcaatata atgtctaacy 300
 tcaagatcac ac 312

<210> 6949
 <211> 232
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6949

ccacctgaga gcatgcaagc ttggatanct attgctttgg aaacctttcc tttctcatgt 60
gaacccaaac ccaatctccg agttggaaaa caaccttttt gtgcctcttg tttgcttgta 120
tagcatagct cttattcctc ttttcaattt aggccttgac tctttcatgg agctttttca 180
catagtcttc tttggcttgt ccttccttat gcctaaaaac tgaaatactt gg 232

<210> 6950
<211> 190
<212> DNA
<213> Glycine max

<400> 6950

tctttttatt ttatgcacct gaatcagact tccgtttgaa aagttatgac catttgaatt 60
tctcgacaga ttccgttggt caatttcgag cgtctcgga tattatgagc cagaatcgga 120
cttccgtgtg acaagttacg accatttgaa tttctcgaga gcttgcttg ttcaatttca 180
agcttctcga 190

<210> 6951
<211> 191
<212> DNA
<213> Glycine max

<400> 6951

ttcttctttt tgattcatct tctccttgaa gtggcgtctc caatcatttt tcttccttct 60
ccattctgct gccatgatct tctagaagca aaggactcca ttgatgaaga agatccaagg 120
cctttaagct ccacatggag ctacgtcaca ttgtgtgctt ggttggtcga tcttagtggt 180
tcttcattat t 191

<210> 6952
<211> 196
<212> DNA
<213> Glycine max

<400> 6952

tgcttgcct tttgatttat tttagggact catggctact atgaatgaca aattccttgg 60
gataaaggta gtgttgccat gttttcaaag cccgtactaa ggcatacaac tccttatcat 120
aagttgaata gttaaggga ggaccactta acttttctact aaaataagca attggatggc 180

cttcttgcac caacac

196

<210> 6953
<211> 214
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6953

agcttggatn nctttttatt agggaatcta tccttctctaa gatggatcca aacccagtca 60
ccgtcattaa gaactagctt ttttcttctt ctattgcctt tagttgaata cacctttgtt 120
tggttctcta tttggttctt aaccctctca tgcaaattct ttacaaccta tgacctagat 180
tgcccttctt tatgtataaa agaaggggtcc agtg 214

<210> 6954
<211> 187
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6954

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ttcgaacttt aattatcttt taattcggtc ctaaagatag atcgccaaat ctggttgctaa 120
cagcacatta atctgttaaa gatataacag atttatgtgt ccagtatttt cgggcaagat 180
gtcctgg 187

<210> 6955
<211> 208
<212> DNA
<213> Glycine max

<400> 6955

ttaagcttac agtaccttct tagcaacagt gtcattgcct ttctccctt aaatatttta 60
tccatcaatt tgtggagaaa atgtccaaag ggcccagagt aggtgaaacc atagagctgc 120
aaatcaattt gatttcaaaa ctgctcagta ctcaaaaatt ttactacaa acttcatttc 180
tgcttcatct tttgagaaaa ggtgaaac 208

<210> 6956
 <211> 191
 <212> DNA
 <213> Glycine max

<400> 6956

tggaacatat tgtctgaatt ttgggtcctc ttaaggacat agtcaaaata tccgctggct 60
 gatcattaga atcaataaac tcagtgacaa tctccttgga cagaagcttc tctcgaatga 120
 aatgacaatc aatctctatg tgcttagtcc tttcatgaaa aactggggtt gaggcaatat 180
 gaagagcagc c 191

<210> 6957
 <211> 214
 <212> DNA
 <213> Glycine max

<400> 6957

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 taaacacaac aatcatagag acttctcttg aatccttggc tgggtgataaa gctatcaaac 120
 ctcatgtacc attgccttgg agattgttcc aaaccatata aggacctttg cagttgacaa 180
 acataccttt cttttacttg aacttcaaac cctt 214

<210> 6958
 <211> 212
 <212> DNA
 <213> Glycine max

<400> 6958

agctttcatt ttttatttcg accatctcga tatattaccg gactcatccg gacttccgtg 60
 tataaactta ttgtcaattc aattttctca gagcttcgga tcaaaatttt gagcatcttg 120
 atatattacg ggactcattt agacatccga gtaaaaattt attgtcggtta gaatttgata 180
 cgagcttccg ttttcaattt ggagcatctc ga 212

<210> 6959
 <211> 192
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 6959

ccccttatgg atgtccgagg cggggacaaa anataacgag acgcccgaaa tcgaacaacg 60
gaagctcgcg agaaaaagcg aatggtcata acatgacact cggatgtgcg aagcggggac 120
ataatatatc gagacactcg aaatggaaca acggaagccc gcatgacatt cgaatgctca 180
gaacatatca ca 192

<210> 6960

<211> 194

<212> DNA

<213> Glycine max

<400> 6960

tactaaggct tctattctag ctcttcgtga cttttctaaa acttttgagc tagaatgtga 60
tgcctctgga gtgggagttg gagctgtatt gttacaaagt gggcacccta ttgcttattt 120
tagtgaaatg cttcatagtg ccaccctcaa ctaccccacc tatgataaag agctttatgc 180
cttaataaga gccc 194

<210> 6961

<211> 214

<212> DNA

<213> Glycine max

<400> 6961

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ggagggagag tgacaaaagg agcacgaaaa tttgagccgc aaatgaggtc tgaactttga 120
agagtaaaca tcaagagatg aaagatccaa aaattaacgc acgcggaacta tagttatagt 180
ctaaacgtca cacaaaattg ggaggaaacc tgaa 214

<210> 6962

<211> 213

<212> DNA

<213> Glycine max

<400> 6962

agcttcaacc aattgggttg gtccatttca agtacttgaa aggataaatg acaatgcata 60
caagattgaa ttgaccggtg agtataatgt gagtactaca tttaatgtgt ctgacttaaa 120

tctttttgat gtaaattggag aagccgattt gaggacaaat ccttttgaag agggagagag 180
tgatgaggaa atgacaagga ctaagggaaa ggt 213

<210> 6963
<211> 206
<212> DNA
<213> Glycine max

<400> 6963

gctttggagt ttccaagtgc caattcgtct tcttcttttg tccagtcttc ttctggcttc 60
aattcattag tgggctttcc ttctgtgtcc agcatcttgg gatgttccca gcctttgatg 120
atagctttcc aggttctgct atccagtgat ttgaggaagg ccaccatcct tgctttccag 180
tattcatagt tggttccatc cagaat 206

<210> 6964
<211> 210
<212> DNA
<213> Glycine max

<400> 6964

tttgcaagtt gcttttgggg gaggcaattg agcgagaagt tgaccttggga agtacttgtc 60
aatgcgactg taccatgctc tcagtgtttg ttttagtcca taaaaagcct tctttagctt 120
gagaactttg tcttcttcta atttcacctt taatcccaac gggtgttcga tgtacacttc 180
ttccacgagg actccattca cgaaggtaga 210

<210> 6965
<211> 199
<212> DNA
<213> Glycine max

<400> 6965

tctgctttaa taggacctca gtgtgaaaag ttatgaccat ttttaattccc cgagagcttc 60
cgttgtgcat ttaccagcgt ctctatatgc gatgcgcctt aatctaacat ccgcgtgaaa 120
agttatgacc atttgaattt ctgagaagct tccgttgctc aattttaagt tgatggatat 180
gtgatgtttc agaattcta 199

<210> 6966

<211> 214
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 6966

agcttgacca gtttttattt tgatgggccg gatgttgaat tcagggtgnt cctggtgcgg 60
 agatgatggt actgtgggtg aaccaggagc tgcagtttct ttggtgagg tagccatgga 120
 aaagcagagc gtttggaatg atttcgtaaa tctcagaaaa ctattgggaa atgctggtaa 180
 aaacacgaat gccaaacaga tataaatttg aatg 214

<210> 6967
 <211> 210
 <212> DNA
 <213> Glycine max

<400> 6967

agcttaacaa aaggcatgcg aagtgggtgg aattcctaga gcaattccct tatgttatca 60
 aacataaaaa gggaaaagggt aatattgtag ccgatgctct ttctcggcgt catgcattac 120
 tttctatgct tgaaacaaaa ttgattggtc ttgaatgttt gaaaagcatg tatgaaaatg 180
 atgaaacttt tggagaaatt tttaaaaatt 210

<210> 6968
 <211> 204
 <212> DNA
 <213> Glycine max

<400> 6968

taagcttata gaaagaggag ggaaaataaa tcaatccaaa atcaatggta cctttcaagg 60
 aactaagaat tctttttgca gcttttaa atgaggagga aagagcctcc ataaagcgac 120
 acacaactcc caccgcatat agaatatcgt gccttgattt ggttaaatac cttaaactcc 180
 ccacaagact cttgaagatc gtgg 204

<210> 6969
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 6969

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tcatatataa acaaacttat acaaataatt gattcccaga tttctaaaga tgtagaaaaa 120
agtattaaat aaaacagaca gcattgttta gattntataa cgtgtacatt attatatata 180
tcattagttt aaaaaatatt atacttgcat tatctgggtc atctgtttgc attaaatagg 240
taaaaaattc tactcatgta aaacacagac tatcgtaagt cttgttattt gaaataaaga 300
aatatattgc gtcccatatc gcattgaatg tctgtctctt ggatattgca ctttaaaaaa 360
aatcatcgg ttttttgata attacttgac 390

<210> 6970

<211> 402

<212> DNA

<213> Glycine max

<400> 6970

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ataaatcaaa cggtgatagt ggagacctat aaatacttca taaatatgtg aaagatgaat 120
tgaccggaaa gaagtctctt ctcgttctgg atgacgtctg gaatgatgat cgacaccaac 180
ggaaagcttt gaaaactcct cttaaatatg gggctcaggg aagctaaatt cttgtcacga 240
cacgcagtaa caatgttgct tctaccatgc agtcaaataa agtctgccaa ctaaagacat 300
tacaagaaga tcacagctgg caagtttttg ctaaaaatgc attccaagat gatagtcttc 360
acttgaatgt tgagctgaag gagatagggt catagatcgg tg 402

<210> 6971

<211> 393

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6971

agctttgagc aaattcaaac gacaataatc nttntgtcg gatgtctgat tgagtcccg 60
aatatatcga gatgctcgaa atggaatacc gaagccctga gcaaattcaa actacaataa 120
ctttttactc ggatgtctga ttgagtcccg taatatatcg agatgctcga aatggaatac 180
cgaagctctg agcaaattca aacaacaata actttttact cggaatgtccg attgagtccc 240

gtaatatatc ggaacgctcg aaattgaatg ttgtagctct gagcaaattc aaacgacatt 300
aactttttac tcggatgtct gattgagtcg cgtaatatat cgagacgctc gaaatggaat 360
accgaagctc tgagcatatt caacgacaat aac 393

<210> 6972
<211> 429
<212> DNA
<213> Glycine max

<400> 6972

aagcctatag cttatcaagt tcaccagcct gaaattgcaa caatctcata aaacaaatta 60
agattaaact ctacacactt tcagaatgaa tcatgcaaaa tatgatatat catcgcatat 120
ataagcatta gcatattatt gtacatgaa gcacacatga gaaatgcata tgaaaattag 180
agacttgta acaccggatg cattatcaga taccatcacc tctaacgtac agtattactt 240
gttttgcaac tacttggaat tgatattttt gtttctaate ggcatTTaaa tactaattaa 300
tctcagaaac tctgcatatt attccaatgg aatgatataa accccttct gaaaccaact 360
aaaatgcaca tcagtgagat gaggacatat aaacaaagat tacatattat attataaaat 420
atataatat 429

<210> 6973
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6973

agctntttat tcaaatttag aaattcattt agatgttcta atgtctgaaa tctatgggat 60
taagatggc actgaccaat ccctatttta tgatttaaca aaattgccta gtgaagggtg 120
gccttttgag ggtgcactga ttgatgaatg gaaattcgat ttctctgtgc atgatgccg 180
ccggttggtt tgcaccaacc aagcggatat gaccggaagg cttcttgccg gttcattggc 240
ttttgaaagc cgcacctcc attatcttat agttcgcgtt ttgcttcta gatcttcaa 300
ccttgcccag gtttctgaag aagacctcat tgtcatgtgg gcctttcata aaggcttaca 360
aattgattgg gcacatcttg ttagatatcg catgcataag gcattgcgaa tgaatgcccc 420

<210> 6974
 <211> 430
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6974

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 gcctttcaac cagctcccat gttttgtttt tgtgtatcat agacatctcc tcctccattg 120
 caattgtgct tcctcacagc tagcatgttc ataaattgct acattacatc tttgatagat 180
 gtcggacaac agcctttttc ctctgattgg aaggctcatc tctaattcac tctgcataag 240
 ctctgttggt tgcctccag gatgattgtc tccactattg aggaaaaacc tagttgtttg 300
 tgaattgttc caatcccat tctcaccttc gttgaagtgc acatctctag tgattgtcat 360
 ctttttagtt tgaggatgat agactttgta gggctttgaa actgaattgt agcccacaaa 420
 gatgcccgga 430

<210> 6975
 <211> 418
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 6975

agctnggtta tctccttctt cactacatgt agattcaccg ggttgagtct tctctatggt 60
 tgtcttactg gtttagctcc atcctctaaa tttattcgat gcatacatgt ggatgggcta 120
 ataccaagaa tgtccgccag ggtccagcct atagccttct tatgcttctt gagaactgac 180
 aacaacttct cctcttgctc atcagcaagg gaggcagata taatcactgg aaaattcttg 240
 ctatcatcca agtaagcgta ttttaaattt gatggcagag gcttcaattc tgggtgtgggc 300
 ggctagacag tggtagaatg agatgggtatc tcagccttta cctcataaag aaagtcagag 360
 gaatgtgtag ctctgaaac atgggttagtc ctatctgact ctatgaaatc aatctcga 418

<210> 6976
 <211> 434
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6976

agcttaacaa tatttacttt gtttttgttt ataacaaatt ggttactttg aatatgtcca 60
tgcgtcacgg gaaggttagga gattccatac tctggtggag tataatgtga gaacatgaca 120
ggttagattg ttagaaagaa gtcaataaat attgatcaaa ttataattaa caaccacatt 180
aatttgtata aaaccaataa gtattatfff ttatttacac ccttatcatt tagatgttaa 240
tttacagatt cgtttgagtg aagggttttag tgaaatacaa tttaaactga ttataatgct 300
acaagttgag ttagctaggg ttagtttgtg taattntgtg attaaactta tactgaacaa 360
actcgatcaa taattaataa tggaatgggt tgactcggat tcattgagta aatttaatta 420
aatcattttt attt 434

<210> 6977

<211> 436

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6977

agcttgtacc ttgaaacac atcanatatt cacttattag ctacattgga ttgngcttct 60
accaattcaa tttaaatttat tttcaaccac acacatcaaa tattcactta gtgcatgtga 120
aattacaaaa ctacccttaa taaaaaaac tagtctaggt gccctaaaat acaagggtctg 180
aaaaatccta tatttctaag gtactctacc tacattatgg agccctaaat acaaagccca 240
aaaataatga aaccttaatc taatatttac aaagataagt gggctcatac ttagcccatg 300
ggcccaaaat ctatcctaag actcataaga accctagggc cttctcttgc atctcttgcc 360
caatctactt ggagtcttct atccaatacc cttgcggggt aggattgcat caaaagggtta 420
cagagaactt acattg 436

<210> 6978

<211> 430

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6978

agcttaacaa aaggcatgcg aagaggggtgt aatttctaga gcaattccct tatgttatca 60
aacataaaaa gggaaaaggt aatattgtag ccgatgctct ttctcggcgt catgcattac 120
tttctatgct tgaacaaaaa ttgattgggtc ttgaatgttt gaaaagcatg tatgaaaatg 180
atgaaacttt tggagaaatt tttaaaaatt gtgaaaaatt ttcagaaaat ggtttcttta 240
gacatgaagg ctttcttttc aaagaaaaca aattgtgtgt gcctaaatgt tctactagaa 300
atttgcttgt ttgtgaagca cttgaaggag gtttaatggg gcattttggg gtccaaaaga 360
ctctagaaac attacaagaa cattnttatt ggctcgtat gaaaaaggat gtgcagaaat 420
tttgtgaaca 430

<210> 6979
<211> 388
<212> DNA
<213> Glycine max

<400> 6979

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ctaagctcac ctccctgaga tgagaagcta gagcttagct acacaccccc tataatagct 120
aagctcacc ccatgacaaa aaacatgaaa ataaaaaaaa agtccttatt acaaagacaa 180
ctcaaaatgc cccgaaatac aaggctaaaa ccctatacta ctagaatggc caaaatacaa 240
ggcctagacg aaggaaaaac ctattctaata atttaciaag ataagcgggc tcatacttag 300
cccatgggct cgaaatctac cctaaggctc atgagaaccc tagggccttt ccttggatct 360
ctagcccaat ctagtggag tcttctag 388

<210> 6980
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6980

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ccaccgataa cagagcggta acttctctca cattactccc tctgcttaaa tttgtacata 120
ctagtattat cttatgagat ttgggcgcct cattgataaa gtttattaaa ccagagacaa 180

taccaattca tactttattt attaactaaa ttacactcaa tctggttagga ctcaatgaaa 240
aatgttacat gtacgctcct ttatttttaga cactcatttg acacatttat tcaaaggggt 300
tagatcatct gttatcaagc tgataaatga tgtggagagt gtgcacaggg gcattcttga 360
gtg 363

<210> 6981
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6981

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ggtgagaaaa atgacagact caaacaagga atgagttcta aaagttcttg atcctagact 120
tccctcagtt ccacttcata aggtgattca tgttttttat gtagccatgc tatgtgttga 180
ggaacaggcg gtggagcggc caactatgtg caaagttgtt caaattctga ccgagcttcc 240
aaaaccacca agtcaaaac aaggagactt aacaatcata gaatcctctt tgtcattatc 300
aaacagttta gagtctccaa ccacggcatc aaaggaaccc aaagatcaac atcctctca 360
attgccacca accgatctac ttancatttt gaatttgaa 399

<210> 6982
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6982

agctntcagc caattcaccc gacaatatct ttttactcgg atgtctgatt gagtcccgta 60
atataacgag acgctcgaaa ttgattgttg aagctctgag ccaattcaaa cgacaataac 120
tttttactcg gatgtctgat tgagtcctcg aatataacga gagctcga attgattgtt 180
gaagctctga gccatttcaa acgacaataa ctttttactc ggatgtctga ttgagtcctg 240
taatatatca agacgctcga aattgaatgt tgaacctctg agcctattca aacgacaata 300
acttttttct cggatgtttg attgagtcct gtaatatatc gagacgctcg aaattgaatg 360
ttgaagctct gagccaattc aaacgacaat aactttttac tcggatgtct gattgagtcc 420

cgta

424

<210> 6983
<211> 330
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6983

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cctccctctt tgaaaggatt catccttgaa tctgattcat tacctacatc aaagaaagat 120
agatcaacca cattaaagggt agtacttatg ttaccatatt ctcttggcaa gtccaactag 180
taagcattgt catctatctt ttctagaact tgaaaaagcc catctcctct tggttgcaac 240
ttggattttc ttttagcagt gaacctttcc ttctcatat gaaccgaaac ccaatctgct 300
ggtttaaaaa taactttgat gcgaccctta 330

<210> 6984
<211> 433
<212> DNA
<213> Glycine max

<400> 6984

agcttgatag cagaggggct taggtccttc atttacaatg atcaatggtc acggtaggga 60
ccaagaaggg ttgctattct gacttctgag tgatattgaa agggtagtct agacataaca 120
tatgaacaat taatatcact attataatgt ttatttgcaa atattattgt cattattata 180
tgттаacatt atatgggtca atcgctaatt gaaatattcg tttggtttgt ggaatgacag 240
acagacaagg catccatgct agatgagatc atcgattacg tgaagttcct gcagctccaa 300
gtcaagggtgc gcatcccgcg tttttctctt gtactagcat ttctttattt gaatttgttc 360
ctcatcagca tcaattaata gcatatttta attacccag ttgattattt aattagagac 420
tctaactaag tat 433

<210> 6985
<211> 216
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 6985

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ttngcataga ggggtgtntt cctaaggact gacagaactt gcctgagatg tcctaagtga 120
tcacttange tcctactgta canctaatat atcatcaaata aaacaactac aaatctacct 180
atgatatccc ttatgacatg atgcataagc ctcata 216

<210> 6986

<211> 291

<212> DNA

<213> Glycine max

<400> 6986

tgatgcaaca atcgaaaggg gtggctatat gagacatctt gccgaacata ggcaggtgag 60
ccataactcg cttagagcgtt ttcttgcatt ccatatgtaa caaagtcgtt gatcctatga 120
agtttgatga gttggaaaat gagggccgca gtatactgag ccagttggaa atgtattttc 180
ccgctgcttt atttgacatc atgattcact tgattgtgca tctggccaga aaaatgcaat 240
gggtgggtcc tgtatattcg tgggtgatgt acccggttga gcggatcatg a 291

<210> 6987

<211> 378

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6987

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ctcaataatt aacatattga aagataagaa ataaagaata aataataatt tataacaaca 120
aatttatatt aacttggtca ataaattatt taggggttaa tatatttttt attcctaata 180
aatactcaat tttagtgttn tctccctaata aaatctttgc tttgcgttga gtcctaata 240
aaataacact tttattttat atccttgata ttgtgtnta gtcctaata aattagaaaa 300
ttttgtgttt gcttcctaata aaattaacaa attgtatttg agtntctatt aagaaatggg 360
aaatatttat catggagc 378

<210> 6988

<211> 457

<212> DNA
<213> Glycine max

<400> 6988

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ttctgaggtt tttgggataa aaatgggtcat tgaccaatcc cttttccata acttaaccca 120
attgtccagt gacggtgtac catttgaagg tacactgaat gacgattgga aatttgattt 180
ctctgcatat gatgcccgcc agttggtttg caccaaccat gcggatatga ctggacgcct 240
tcttgccggt tcattggctt ttgaaagccg catccttcat tatctcattg tgcgtatttt 300
gcttccacga tcttccaacc ttgccaggt ttctgaggaa gaatcttgta tcatgtgggc 360
ctttcatacc gggcgtcaac ttgattgggc acacttagtc agatatcgca tgcataaggc 420
attgcgatta aatgctccat tgccatatct acacctt 457

<210> 6989
<211> 440
<212> DNA
<213> Glycine max

<400> 6989

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ctccttatcc aacattacca agaaatcacg tactatcata aacaatctca acccttcac 120
cttcctgag tccccatgaa agtaatcac agtggtcttc actagggccca tgatttgctt 180
ctcttcttct agcaaactcg tgacatcaac ctgagctttc tccacaaaac tcttactgt 240
ctcatgaaag cctttgtcat catctatgtc acttaggtct ttgtttacaa aatctcttgt 300
ttttatgagt ccatggccta gtctagaggt tgttcctatc aatgcatcag catctaacgc 360
tgctgctttc ttcacattct cgagttcact gctcaaacgt gaaaccactt gaaggccaag 420
ttcgcggtt ggtcttctga 440

<210> 6990
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6990

agcttgaac atatagattg aatcctatctt cctctttgga cttagtcaaa atatctgttg 60
gctgatcatt agaactaata aactcagtgg taatctcctt ggacaataat ttctctctaa 120
tgaaatgaca atcaatctct atgtgcttag tccgctcatg aaagactgga tttgaggcaa 180
tgtgaagagt tgcttgatta tcacaatata actttatttg caccacttca cagaacctca 240
actcttgag aaattgctta atccacataa gtttgcaagt aaccatagcc atagatcaat 300
attcagcttc tgcactggat cgagcaacta cattntgtnt cttgcttttc caagaaataa 360
tatntccctt aataaaaaa caatatcctg aggtagatct cctatccatg gaacaaccag 420
tccaatc 427

<210> 6991
<211> 417
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 6991

agcttataat atattgatat gctcgaaatt atacattgta agctctcgag aaattcaaatt 60
ggtcataact tttcacacgg atgtccgatt cgggcaaata acatatcgag acgctcataa 120
ctaaacaacg gaagctatag agaaattcta atgggtcaaaa cttttcacac ggatgtccga 180
ttcaggcgaa ttacatatcg agaggctcaa aattgaacaa cagaagctct cgagaaattc 240
aaatgggtcat aacatttaac tcgaatgtcc aatttaggcg catcacatat agtgacactc 300
gaaattgaac aacggaagct ctctgtgaaat tcaaattggc antaactttc aactgaggt 360
ccgattcagg cttataatat atcgatatgc tcgaaattaa acatctgaaa ctctcgc 417

<210> 6992
<211> 441
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 6992

agctnttgga aggatcaaaa agtgccttat gaatcctccc gtgcttatgc caccagtacc 60
tggaaggcct ctcatcttctg acatgacaat cttggacgag tcaatggggg gtatgctggg 120
gcaacatgac gaatccggga agaaagagcg cgctgtttac tacctaagta agaagttcac 180

gacctgtgag atgaattact ccttgctcga aagaacgtgt tgtgcttttag tatggtcac 240
ccatcgcta aggcagtaca tgctgagcca tactacctgg ttgatatcca aaatggaccc 300
ggttaagtac atctttgaaa agccagctct cacgggacga atcgcccggg ggcaagtcc 360
gctatctgag tttgatatag tctatgtcac ccaaaaggcg ataaaaggaa ggccttagc 420
agattatntg gctcaacagc c 441

<210> 6993
<211> 477
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6993

tcttgggcaa tcctcattcc agcgatcagt tggtnnttgc gtaagagctt gaacaacggc 60
tcacaaatgg cggtgagctg cgatatgaat ctggcaatat aattcaagcg tcccaggaaa 120
cctcggactt ggctctctgt acgggggttct ggcattctcaa ggatagcctt caccttttcg 180
gggtctacct ctatcccttt ctggcttaca atgaaaccaa gcaatttccc tgatttgacc 240
ccaaaggtag acttagcggg gttcaacctt aattgatatt tcttaagcct ttcgaacaac 300
ttccgcaggt tgactaggtg ttcttctctg gatttagatt tagcaattat gtcgtccacg 360
tagacctega tctcttgatg catcatatca tggaacaaag ctnaccatgg cccgtgataa 420
gtngccccgg cattcttgag tccaaaggac atcaccttgt aacagaacgt nccccac 477

<210> 6994
<211> 332
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6994

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ctnttttctt cctctattgc ctttagtgga atacacctt gtttggttct ctatttggtt 120
cttaaccctc tcatgcaact tctttacaaa ctctaacctt gattccccctt ctttatgtat 180
aaaagaagtg tccagtggaa ggggaatgan gtctaacggg gttaggggat tgaaccata 240
gacaacttca aaaggggatt gcttggtggt tctatgaacc cccctattgt aggcaaattc 300

tacatgagga agatacttat cccaagactt at

332

<210> 6995
<211> 427
<212> DNA
<213> Glycine max

<400> 6995

agctgtacaa caaatgccac tctactccta gtttttaaag gatatgttaa caaggaaaca 60
caagtatatt caccaggaaa acattgttgt ggaaggaaat tgtagtgctg tgattcaaaa 120
gatccttcca cctaagcata aagaccctgg gagcgtaacc attccttgat caattggaga 180
agtcattgtg ggaaaggctc ttattgattt gggagagttg gagatcatgc aactaagat 240
gactttacaa cttgctgacc gctccattac cagaccatat ggagtaattg aagatgtgtt 300
ggtcagagta aaacattcta tcttctggc atactttgtg gtaatggata tctgtcaaga 360
taatgacatt cttgtaatat tgggaaagct gcatagtta tatggggaga aagaagttgg 420
agttggg 427

<210> 6996
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6996

agctataaca ccattaaggg taaagactct tcccgaggcc ttgggatgtc cagtttgacc 60
attcgggcct ccaccatttc gctctttctt gggtcgtgaa caatctcttt gagtgtgtcc 120
cttttgtcca taattaaaac atgttgcgcc tatatcaaga caattcgagg agatgtgccc 180
tggcttacca catctgtaac aaatgatatg agtggagaaa gtattgggct tgctaccact 240
accacctgca aatcccctag caacagtcct ctgattgtca tggcggttac catattgctt 300
aggggggttc gaatatggtt ttctcaatg ttgaggccca ttcttttgt tctcattgg 360
acctgtactc caataatagg ccgcctatc tcngagtct tca 403

<210> 6997
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6997

aagatgaaaa cagtataatg aaatatgcaa ggaacatgac tcacgctnta ataggcctga 60
acttcttagt gctatgattc ggcatagatc cattcaagtt atccagtctt ggcaatctct 120
ttgatataaa tgcagcttcc tctctttttc ccccttcctc taaagcagct atcagatcat 180
ctagacatgt caatttctga tgtaaaccgt tctccactaa ttcatagcat aaactaaatg 240
cttctgaaac cttgttaatt ntacaaagat tcaaaatagt tgcattacac aaatcaatat 300
caacattctg gtgattntcc aaactaaaaa gcaacaattt gcatgcttct gacagcttct 360
ctcttttaag ggagaaatga gccacttctt ctatttaaca tagtacctat cttataaagc 420
anataataat ctcaaagtct ctttcatg 448

<210> 6998
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6998

agcttagaaa aagttaattt aatgtatatt aataaattta tcttaaattc ataatttttt 60
tcaaaactat cattataatt aatattcctc tcttctaatt atttaccaat gcattcttct 120
ctttaaatta tagtttaaaa attattaatt caagaaacat tatagagtga atcttataaa 180
aatgaacaaa cataatttta aacttaattt tataaataag aacaaaagaa gtaaataata 240
aaaatattat ttaggtcatt aacagtttat ttgtaaaaaa aaaaagggtca ttaatggttt 300
atattaagca attttgtata gagcaaatta caacaacctt cctttaggta tactctaatt 360
acacatgcat tccttccttt ntttttcacc ctacacaaaa ctgcctaact tttgcatcct 420
cattgaacaa gtctccccta ta 442

<210> 6999
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6999

cgctgagctc tnccaattga ctngngattg aaccagagat tgagttctga tacaagtaca 60
 ggttctgcaa ctactgcac ttccctatct cttctgggat agggcctgaa agaagagttg 120
 tgtaaattggc tatggtttga attcttttca gttccctat tgaagaagga agactcccag 180
 aatgctggt ttctgcaagg cctaacacca ccaagttggt gcagtttcca atgtcccag 240
 gcacctcacc cttaaggttt gtgttccctc ctgctctcaa cacttgagc gcagttaatg 300
 agccaatact ctntggaatt tcaccactca gtttgtgtc atagagtgtc aagttcacia 360
 gacttgataa acttccatg ttggatggaa tgtttccttc aagaaagttg gcatgcagag 420
 ctaaagtctg cagtttgctc agcctgcaaa tttcctgtgg gaattca 467

<210> 7000
 <211> 468
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7000

ctgcccgcaa naattactaa nnaaccattt aaggtccaac gccttatacg gtcctctntg 60
 ctttttatcg gttaacatgg accgttcaaa agcataaaat caacatgtaa ctttactgct 120
 tttgcaagaa ctacgtaggt ctgatttctt catgacaatt gaggatacgt aggagcaaaa 180
 gccccgcttt tgtcgaccac cccaagagat cgtaaatggt ccaacgcctt aacgtttctc 240
 tcctttcaaa aaccaagaga tctttaatgg tccaacgcct taatgtttct ctcctttcaa 300
 aaccaagaga tctttaatgg tccaatgcct taacttttct ctcctttcca aaaatcaaaa 360
 gatcgtttaa tgggtccaacg ccttaaata gaattgttca gttaaaatcg atcttttgga 420
 agaggatcaa aacaacttaa ccaatgttta gttttgaaag aactacat 468

<210> 7001
 <211> 427
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7001

ctgatggtgt cgagaagaaa tcacatgtnt gtcacatca tanatgtgga gaatgtgaat 60
 gtatgtatac atgattntga tgatgccaaa gaataatcaa acaagggtgc ttcaaagat 120

aagcatttgc ttcaagaata attcaagagt gtttcaacaa acaaagcctt gtttcaagat 180
 tcaactaaaga ccaagccttg ccttataaca aagtgccttc aagacatgca atgctctggt 240
 aatcaattac caggaagtgt aatcgattac cagaagacat ggttgagaaa tagctgttga 300
 aaaagggtttt gaatttgatt ttcaacatgt tatcgattac catatgtctg taatcgatta 360
 ccagcaacga aactttggaa attcanattc aaaagtcata acccttcaaa ttataactgt 420
 gttatcg 427

<210> 7002
 <211> 444
 <212> DNA
 <213> Glycine max

<400> 7002

ctgcaagcat gcaagctatc actcggaggt ccgtattatg ttttcataaa tatcgagacg 60
 ctcgaaattg aacaatggaa gctcttgagc aattcaaag gtcataactt ttactctga 120
 ggctcgattc aagcgcattg tatattgaga agctcgatat tgaacaatgg aacctcttga 180
 gcaattcaaa tggtcataac ttttactag gaggtccgat tcaggcgcac aatatatcga 240
 gacgctcgaa attgaacaat ggaacctctt gagcaattta aatggtcata acttttact 300
 cggagggtccg atccatgcga atcatatata gagacactcg acagtgaaca gaggaagctc 360
 ttgagcaatt caaatggta taactttctc ctctgaggtc cgattcacgc gcataatata 420
 tcgagacgct cgaaatcgaa caac 444

<210> 7003
 <211> 465
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7003

atgtaccaag aagtcaaat taatccgtat gcacgtacac taaaaaata atacgaatat 60
 attggatcga cactaactta ctattattat tcaacaaac agaaaatgta ctataaaaa 120
 ctcataaatt atgtgcagct ttcaattcaa gatgtttttc aatttcaaaa tatatagcta 180
 taataacggt aacttaataa tctttttctt attaaaatga actaatcaca taaacgctat 240
 tctntttagg tgcataaaaa taatatatta ttgagaatag tgacatattc ggaaagaaga 300

agaaaaatag ggaaaatgga gtagagaata aataaacaac aaataggcgg cttacagtta 360
 ggattaggcg ttaagttgtg tagttgaaca gtaagctaaa actaatctnt atanttttaa 420
 ttttcttatc atggtatggg taagaagttc gctctatcgg aagca 465

<210> 7004
 <211> 345
 <212> DNA
 <213> Glycine max

<400> 7004

aaaactggcc tcaccgtgat aaaaaatgag aaggaggagc tgattcctac tcgggtgcag 60
 aacagttgga gagtctgcat cgactatagg aggctgaacc aggttaccaa aaaggaccat 120
 ttccccctgc cattcattga ccagatgctt gaacgcctgg aaggtaaadc tcactactgt 180
 ttcccttgatg gtttttctgg ttatatgcaa atcactattg ctcttgagga tcaggaaaag 240
 accacattca cctgcacctt cgacactttt gcctatagga ggatgccttt cggcctgtgc 300
 aatgccctg gtaccttcca gcgggtgcatg atcagtattt ttagt 345

<210> 7005
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7005

tctttctcca ttncctctc cttcttgctg ctaaactgg ccacttcaa ccgtgcttt 60
 tccaactcaa acgcctgtat ttgataactc acctgctgct cctccaactg cacaaccctc 120
 ttcttcatcc actgtttttt ctcccaagca ctcttccctc cgtcttgcaa cacaccactc 180
 acttcaccac tcaattgctg catcatctgt gatgatgaaa caccaaacc tcccttattc 240
 cttgctctcc tctaatacac atcattttca tctcctcca tacccttga tctccttct 300
 cctgattcct cttcatctc atcagaaaac tctccgaat catcgtctc atcctcatcc 360
 tctttcaaca ttctcagact ccccaacccg ttctctgatg agtgcaaaca ctgctgctgt 420
 tgatgttgat gtg 433

<210> 7006

<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7006

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accaattcta ctgctccttg aggtctgact tctttgatta tgaacggccc tgaccacttg 120
gacttttagct tacctgggaa tagccttagc cttgagttaa agagtaataa ctattgccct 180
ggctggaatt ctttcctttt tagcttattg tcatgatata ccttcatctt tttctagtag 240
attctggatg actcgtaggc gtttagtctc atctcttcta gttctagcaa ctgtagcttc 300
ctcttttctc tgcattgtgtt gttatcaaag ttgagcaact tgagagccca atatgctntg 360
ttctccagct ccactggtaa atgacatgcc ttctataca ctagctgaaa tgggtgataag 420
ccgatgagag tctt 434

<210> 7007
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7007

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cataatcgca agtgaaccag aatagggttt gggttttggg gcctcttggt tgaagcctct 120
aatctaata gatgtttggt tttagactt gagagggaga taatctagtc caaggctggt 180
ctttgattca ataataaaa ggtaaatta ttatttagaa tttnttaata tttttctaat 240
gtttaattag gtattttaat tattgagtga tttaattaga tcatctaatt atttaaaata 300
attttattgg atcatttaag tgtaacatt attaaactgg cacttagata ggattctacc 360
atatacaatg acaaaagatt caactaatga cttattaaca acttagatga ctcgttaacg 420
acattaacac anataactca attgaatcat tttaaataa 459

<210> 7008
<211> 435
<212> DNA
<213> Glycine max